S5925-6.8

OCCUPATIONAL EMPLOYMENT
IN
NONMANUFACTURING INDUSTRIES
NORTH CAROLINA
1984

Robert S. Stephenson, Project Supervisor

Staff:
Martha H. Bowman
Leonard H. Polk
Kara Davis Sullivan

Labor Market Information Division
Employment Security Commission
of
North Carolina
Raleigh, North Carolina

January, 1986

Typists, Roberta S. Cheney, Linda Burton

Graphic Artist, Becca B. Gaskins

TABLE OF CONTENTS

Introduction 1

Mining and Quarrying Other Than Fuels (SIC 10 and 14) 5

General Building Contractors (SIC 15) 9

Heavy Construction Contractors (SIC 16) 13

Special Trade Contractors (SIC 17) 17

Banking (SIC 60) 22

Credit Agencies Other Thank Banks (SIC 61) 26

Security and Commodity Brokers, Dealers and Services (SIC 62) 30

Insurance (SIC 63) 33

Insurance Agents, Brokers, and Service (SIC 64) 37

Real Estate (SIC 65) 40

Holding Offices, Trusts and Miscellaneous Investing (SIC 67) 44

Hotels, Rooming Houses, Camps and Other Lodging Places (SIC 70) 47

Personal Services (SIC 72) 51

Business Services (SIC 73) 56

Automotive Repair, Services, and Garages (SIC 75) 62

Miscellaneous Repair Services (SIC 76) 66

Motion Pictures (SIC 78) 70

Amusement and Recreation Services, except Motion Pictures (SIC 79) 73

Health Services (SIC 80, except 806) 78

Legal Services (SIC 81) 82

Social Services (SIC 83) 84

Membership Organizations (SIC 86, except 866) 89

Miscellaneous Services (SIC 89) 93

Methodology 97

ACKNOWLEDGEMENTS

This publication is produced through a Federal-State cooperative program, with funding, technical assistance and general oversight provided by the U. S. Department of Labor, Bureau of Labor Statistics. Ms. Dianne Farrior and Ms. Laura Jackson, of the Atlanta Regional BLS Office, offered timely advice and direction throughout its preparation.

Data collection, coding, editing and printing of this report were performed by staff of the Labor Market Information Division of the Employment Security Commission of North Carolina: Martha H. Bowman; Leonard H. Polk; Kara Davis Sullivan; and Robert S. Stephenson, Unit Supervisor. Much of the typing and word-processing duties were performed by Ms. Roberta S. Cheney, under supervision of Ms. Joan A. Miller. Computer services were provided by Ms. Dianne Ellis and Mr. David Stowe of the agency's Data Processing Department.

A special thanks is extended to each of the 7,574 employers whose survey responses provided the occupational information on which this report was developed. Without their cooperation, a meaningful publication would have been impossible.

INTRODUCTION

The Occupational Employment Statistics (OES) program is a cooperative effort of the Bureau of Labor Statistics and the nation's State Employment Secutity Agencies. In North Carolina, the Labor Market Information Division bears the responsibility for the collection, analysis and distribution of information relating to the occupational staffing patterns of the state's industries. Industries are surveyed on a three-year rotating cycle to increase the cost effectiveness of the data collection and to reduce the reporting burden of employers who are asked to participate in the study. Research done by the Bureau of Labor Statistics has indicated that staffing patterns tend to remain relatively static, and therefore useful, over this time span. The project looks at only nonagricultural wage and salary employment. Data for self-employment, agriculture, and unpaid family members are not included. The three survey rounds are defined as follows:

Manufacturing and Hospitals

Nonmanufacturing Industries

Trade, Regulated Industries and Government

When viewed together, the results of these three survey rounds give a clear and accurate picture of occupations and industries in North Carolina which may be utilized by educators, counselors and planners in a number ways including, but not limited to the following:

1. Curriculum and Training Applications
   - for assessment of current and future occupational needs
   - for planning study curricula and development of training programs in accordance with changing job requirements

2. Career and Job Counseling
   - for guidance of students, trainees, and job-seekers in career or job selection
   - for background in applicant referrals to industries and locations where specific skills are needed

3. Industry and Business Administration
   - for improvement of worker selection by more equitably matching job training with occupational needs
   - for policy formulation and planning in terms of present and anticipated occupation patterns
   - for increased cooperation between industry and educational planners in determining needed program emphases to meet the needs of a changing work force

This is the fifth report in the OES series based on a survey of covered nonmanufacturing establishments as defined in the 1972 edition of the Standard Industrial Classification Manual (SIC). Data for firms engaged in mining, construction, finance, insurance, real estate, and services are included in this publication.

In 1984, there were 640,700 persons employed in the surveyed nonmanufacturing industries in North Carolina. This represents 25% of all nonagricultural wage and salary employment in the state, compared to the 23.9% shown by the 1981 survey.

Chart A depicts the relationship of nonmanufacturing employment to the other major divisions of nonagricultural wage and salary employment in the state for 1984. Since the last OES survey on nonmanufacturing industries three years ago, this industry sector, as well as wholesale and retail trade has experienced considerable growth, with employment gains of 12.4% and 16.1%, respectively. During the same period, manufacturing and government were gaining employment at a slower rate while actually decreasing in their proportionate share of total nonagricultural wage and salary employment from 1981 levels of 34.3% and 17.1% to respective shares of 32.4% and 16.2% in 1984.

Chart B shows the average annual nonagricultural wage and salary employment in North Carolina for the ten-year period, 1975-1984. Chart C reflects average annual employment in the nonmanufacturing sector for the same period.

Note: Employment data for Charts A, B, and C are expressed as annual average figures. The data were provided by the Current Employment Statistics (CES) Unit of the Labor Market Information Division.

Chart A

Nonmanufacturing Employment Compared To Other Major Industry Sectors - 1984

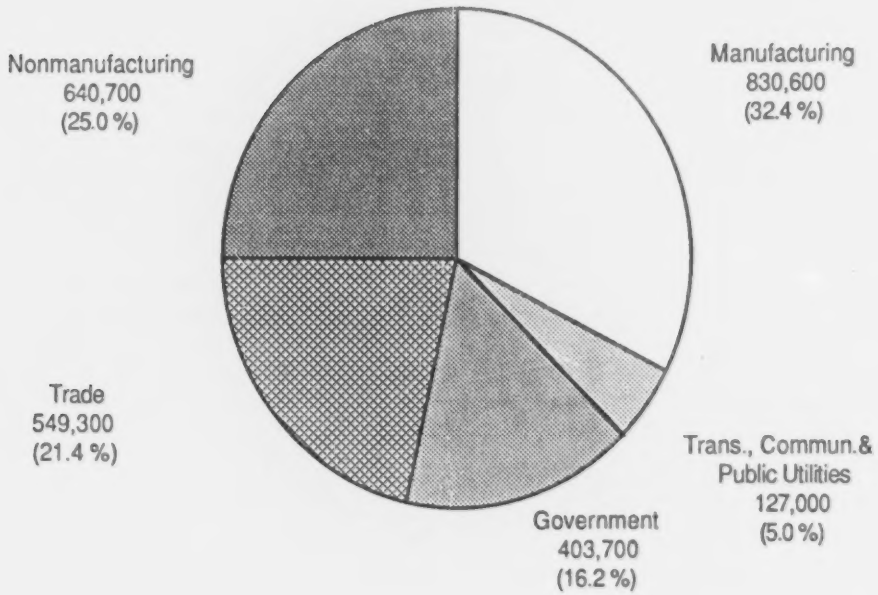


Chart B

Nonagricultural Wage And Salary Employment In North Carolina 1975 - 1984

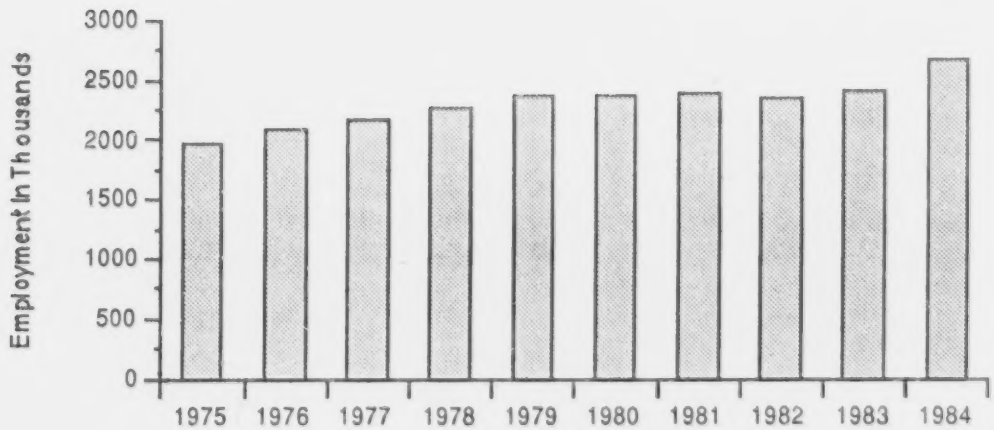


Chart C

Nonmanufacturing Wage And Salary Employment In North Carolina 1975 - 1984

Note:

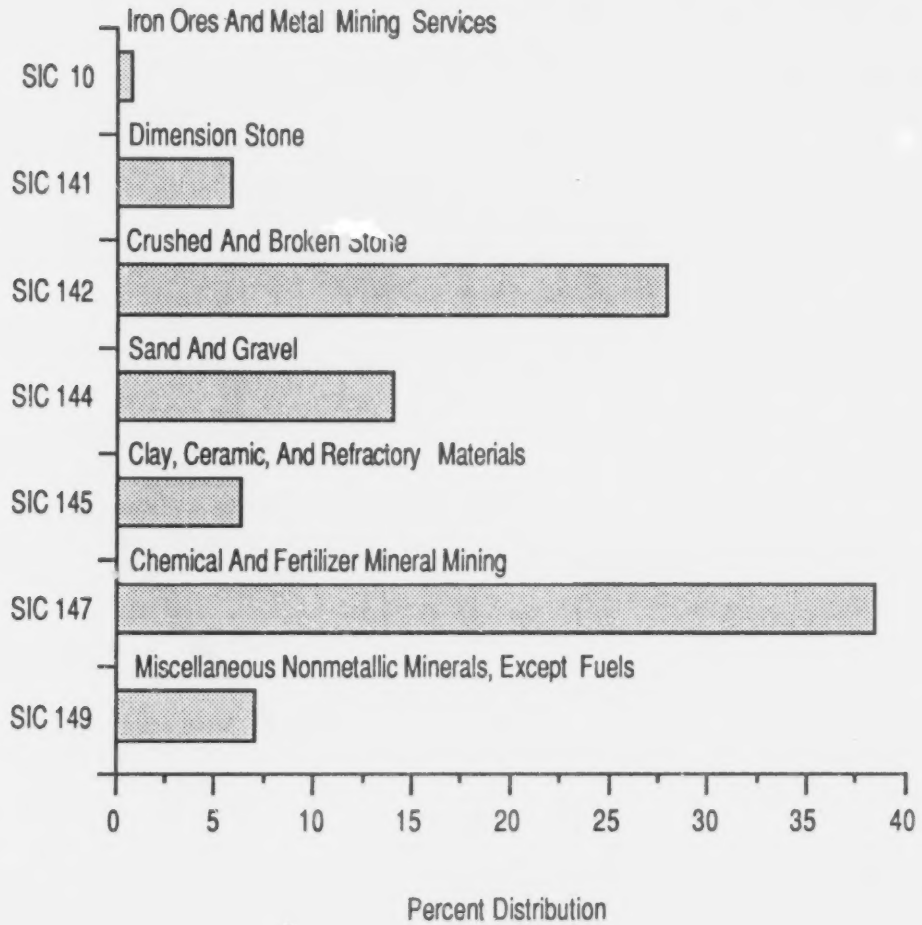
Employment for this table represents only the surveyed nonmanufacturing industries as reported by the Current Employment Statistics (CES) Unit. Transportation, communication, and public utilities; wholesale and retail trade; and all government employment are subtracted from the total reported nonmanufacturing, since these industries are not surveyed in this survey cycle.

Mining And Quarrying
Other Than Fuels
(SIC 10 And 14)

Establishments in this group are primarily engaged in mining or quarrying, or exploring for metallic and nonmetallic minerals, except fuels. Included are all ore dressing and beneficiating operations performed at mills which crush, grind, wash, dry, sinter or leach ore, or perform gravity separations or flotation. Certain well and brine operations are also included.

Of the 4433 workers surveyed, the Chemical and Fertilizer Mineral Mining industry employs 38 percent; Crushed and Broken Stone, 28 percent; Sand and Gravel, 14 percent; with the majority of the remaining employment in Miscellaneous Nonmetallic Minerals, Clay and Ceramic Minerals, and Dimension Stone. No employment is shown in Copper, Lead, Gold, Silver, Zinc, Bauxite, Aluminum, or Ferroalloy Ores and Nonmetallic Minerals.

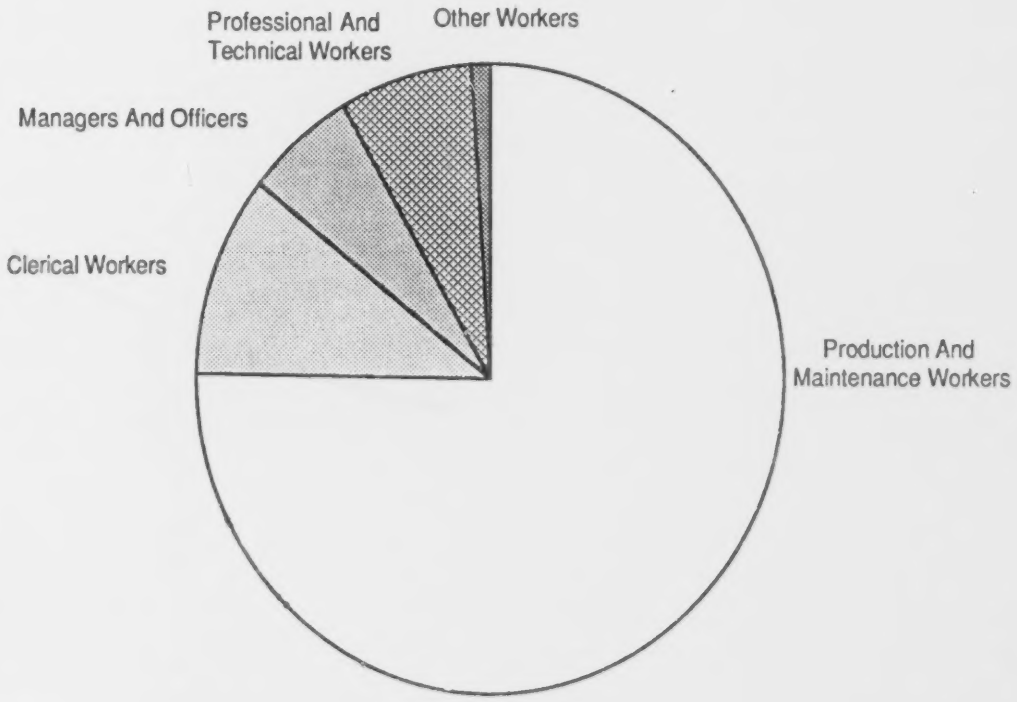
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Construction Supervisors	240	5.4
Truck Drivers, Heavy - inc. Tractor Trailer	240	5.4
Excavating And Loading Machine Operators	240	5.4
Crushing, Grinding, And Mixing Machine Operators And Tenders	210	4.7
Graders, Dozers, And Scraper Operators	160	3.6

Percent Distribution Of Employment By Major Occupational Category



MINING AND QUARRYING OTHER THAN FUELS
(SIC 10 AND 14)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	4,430	NA	100.0
Managers and Officers	270	NA	6.1
Financial Managers	20	15.5	0.4
Mining and Related Managers	150	11.6	3.5
General Managers and Top Executives	80	10.5	1.8
Other Managers and Administrators	20	NA	0.4
Professional and Technical Workers	320	NA	7.2
Accountants and Auditors	20	12.2	0.4
Other Management Support Workers	30	NA	0.7
Mining Engineers	20	9.6	0.4
Other Engineers	40	NA	0.9
Other Engineering Technicians and Technologists	30	NA	0.7
Chemists	20	4.8	0.4
Geologists, Geophysicists, and Oceanographers	20	12.4	0.4
Chemical Technicians and Technologists, except Health	70	2.0	1.6
Other Professional and Technical Workers	70	NA	1.6
Sales Workers	30	NA	0.7
Clerical Workers	450	NA	10.2
Clerical and Administrative Supervisors	20	7.0	0.4
Secretaries	90	7.2	2.1
Bookkeeping, Accounting, and Auditing Clerks	80	10.5	1.8
General Office Clerks	70	7.5	1.6
Weighers, Measurers, Checkers, Samplers	60	4.8	1.4
Stock Clerks-Stockroom or Warehouse	40	3.5	0.9
Other Clerical and Administrative Workers	90	NA	2.1
Service Workers	20	NA	0.4
Guards and Watch Guards	20	9.0	0.4
Production and Maintenance Workers	3,340	NA	75.4
Construction Supervisors	240	2.2	5.4
Other Supervisors	50	NA	1.1
Other Inspectors	20	NA	0.4
Other Machinery Maintenance Mechanics	120	NA	2.7
Millwrights	120	0.5	2.7
Machinery Maintenance Workers	40	13.7	0.9
Maintenance Repairers, General Utility	60	7.6	1.4

MINING AND QUARRYING OTHER THAN FUELS
(SIC 10 AND 14)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Bus, Truck, and Diesel Mechanics	40	10.8	0.9
Mobile Heavy Equipment Mechanics	80	7.5	1.8
Other Mechanics, Installers, and Repairers	50	NA	1.1
Electricians	60	2.5	1.4
Earth Drillers	80	8.9	1.8
Other Mining Machine Operators	70	NA	1.6
Furnance Operators and Tenders	90	4.9	2.1
Separating and Filtering Machine Operators and Tenders	40	4.8	0.9
Crushing, Grinding, and Mixing Machine Operators and Tenders	210	7.7	4.7
Other Machine Operators and Tenders	90	NA	2.1
Welders and Cutters	160	9.9	3.6
Truck Drivers, Heavy-inc. Tractor Trailer	240	5.2	5.4
Excavating and Loading Machine Operators	240	4.9	5.4
Dredge Operators and Dipper Tenders	40	4.8	0.9
Loading Machine Operators, Underground Mining	80	7.3	1.8
Graders, Dozers, and Scraper Operators	160	5.0	3.6
Crane and Tower Operators	60	3.6	1.4
Industrial Truck and Tractor Operators	60	11.6	1.4
Conveyor Operators and Tenders	50	7.6	1.1
Operating Engineers	30	28.2	0.7
Other Construction Trades Helpers	80	NA	1.8
Material Movers, Hand	60	11.1	1.4
Other Laborers	620	NA	14.0

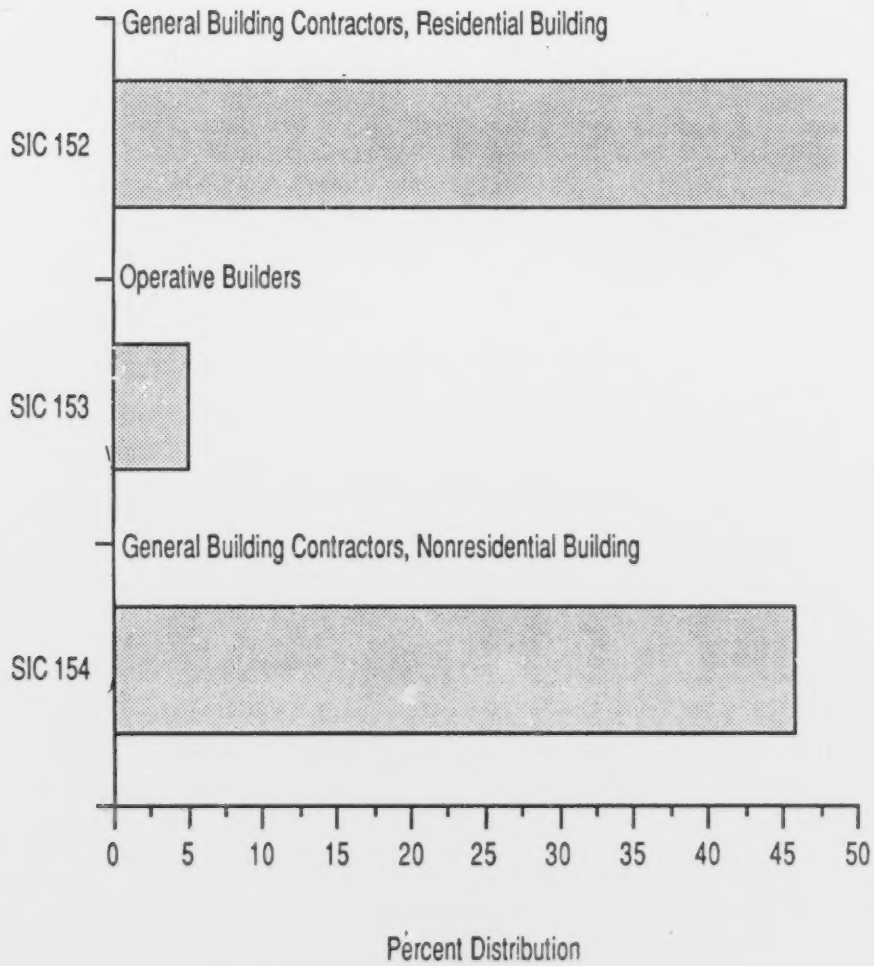
1/ Details may not add to total because of rounding on data suppression.

General Building Contractors
(SIC 15)

General building contractors and operative builders in this group are primarily engaged in construction of residential, farm, industrial, commercial or other buildings. Also included are general building contractors who combine a special trade with the contracting.

General contractors for single family houses, residential and nonresidential buildings constitute 95 percent of this major employment group. Builders of single family houses and other buildings for sale on their own account show the balance of employment at 5 percent.

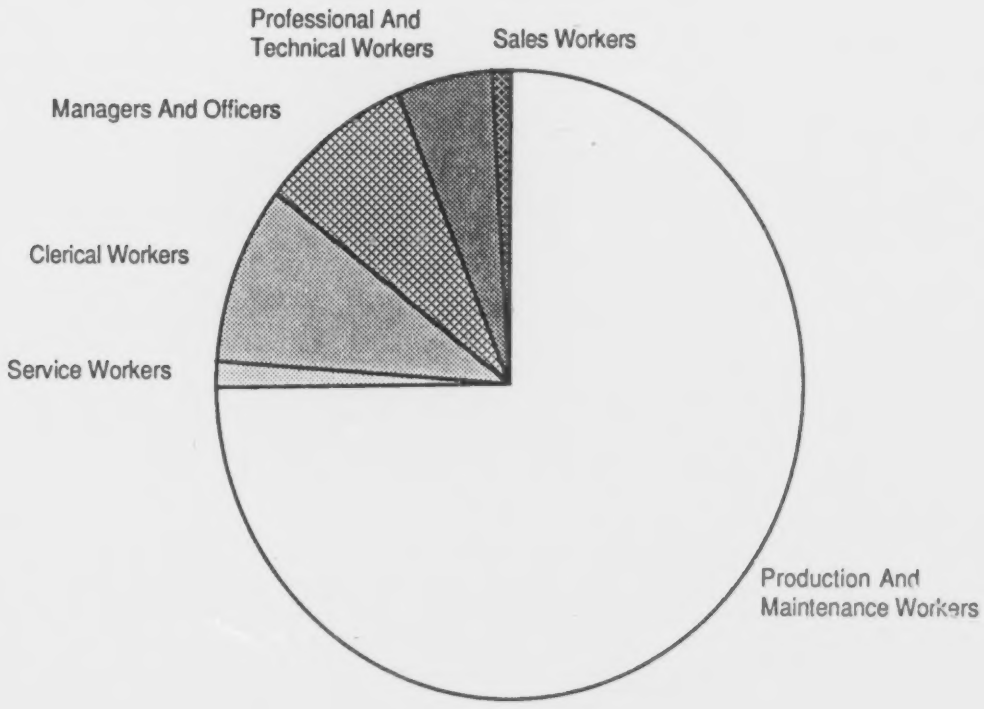
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Carpenters	11910	25.9
Carpenter Helpers	4730	10.3
Construction Supervisors	3080	6.7
Construction Managers	2260	4.9
Structural Metal Workers	1470	3.2

Percent Distribution Of Employment By Major Occupational Category



GENERAL BUILDING CONTRACTORS
(SIC 15)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	45,940	NA	100.0
Managers and Officers	3,770	NA	8.2
Financial Managers	510	23.6	1.1
Construction Managers	2,260	9.9	4.9
General Managers and Top Executives	830	21.3	1.8
Other Managers and Administrators	170	NA	0.4
Professional and Technical Workers	2,490	NA	5.4
Accountants and Auditors	160	25.1	0.4
Other Financial Specialists	30	NA	0.1
Personnel and Labor Relations Specialists	70	9.6	0.2
Cost Estimaters	680	18.1	1.5
Construction and Building Inspectors	210	11.1	0.5
Other Management Support Workers	180	NA	0.4
Civil Engineers	280	29.7	0.6
Electrical and Electronic Engineers	70	1.4	0.2
Mechanical Engineers	160	0.0	0.4
Other Engineers	30	NA	0.1
Other Engineering Technicians and Technologists	490	NA	0.4
EDP System Analysts	20	23.3	0.1
Computer Programmers	20	15.5	0.1
Other Health Professionals and Technicians	20	NA	0.1
Other Professionals and Technical Workers	70	NA	0.2
Sales Workers	520	NA	1.1
Clerical Workers	4,160	NA	9.1
Clerical and Administrative Supervisors	130	16.3	0.3
Secretaries	1,100	13.9	2.4
Personnel Clerks	20	20.3	0.1
File Clerks	110	5.8	0.2
Bookkeeping, Accounting, and Auditing Clerks	930	16.4	2.0
Payroll and Timekeeping Clerks	160	21.6	0.4
General Office Clerks	1,190	14.6	2.6
Other Office Machine Operators	100	NA	0.2
Stock Clerks-Stockroom or Warehouse	90	7.6	0.2
Other Clerical and Administrative Workers	330	NA	0.7
Service Workers	680	NA	1.5

GENERAL BUILDING CONTRACTORS
(SIC 15)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Production and Maintenance Workers	34,320	NA	74.7
Construction Supervisors	3,080	11.8	6.7
Laborer Supervisors	50	14.2	0.1
Other Supervisors	220	NA	0.5
Millwrights	450	6.3	1.0
Maintenance Repairers, General Utility	360	21.1	0.8
Mobile Heavy Equipment Mechanics	70	17.1	0.2
Other Electrical and Electronic Mechanics, Installers, and Repairers	20	NA	0.1
Carpenters	11,910	8.3	25.9
Electricians	770	12.3	1.7
Reinforcing Metal Workers	350	21.8	0.8
Painters and Paperhangers	550	24.3	1.2
Plumbers and Pipefitters	910	11.1	2.0
Structural Metal Workers	1,470	26.6	3.2
Other Construction Trades Workers	2,850	NA	6.2
Other Precision Metal Workers	280	NA	0.6
Other Precision Workers	270	NA	0.6
Other Precision Metal Assemblers	250	NA	0.5
Welders and Cutters	590	4.4	1.3
Truck Drivers, Light-inc. Delivery and Route Workers	390	34.6	0.8
Other Motor Vehicle Operators	230	NA	0.5
Other Transportation Workers	50	NA	0.1
Graders, Dozers, and Scraper Operators	300	13.0	0.6
Crane and Tower Operators	50	21.9	0.1
Other Material Moving Equipment Operators	260	NA	0.6
Carpenter Helpers	4,730	12.4	10.3
Electrician Helpers	270	5.4	0.6
Painters and Related Helpers	60	30.7	0.1
Plumbers, Pipefitters, and Steamfitter Helpers	200	11.5	0.4
Other Construction Trades Helpers	350	NA	0.8
Other Laborers	2,980	NA	6.5

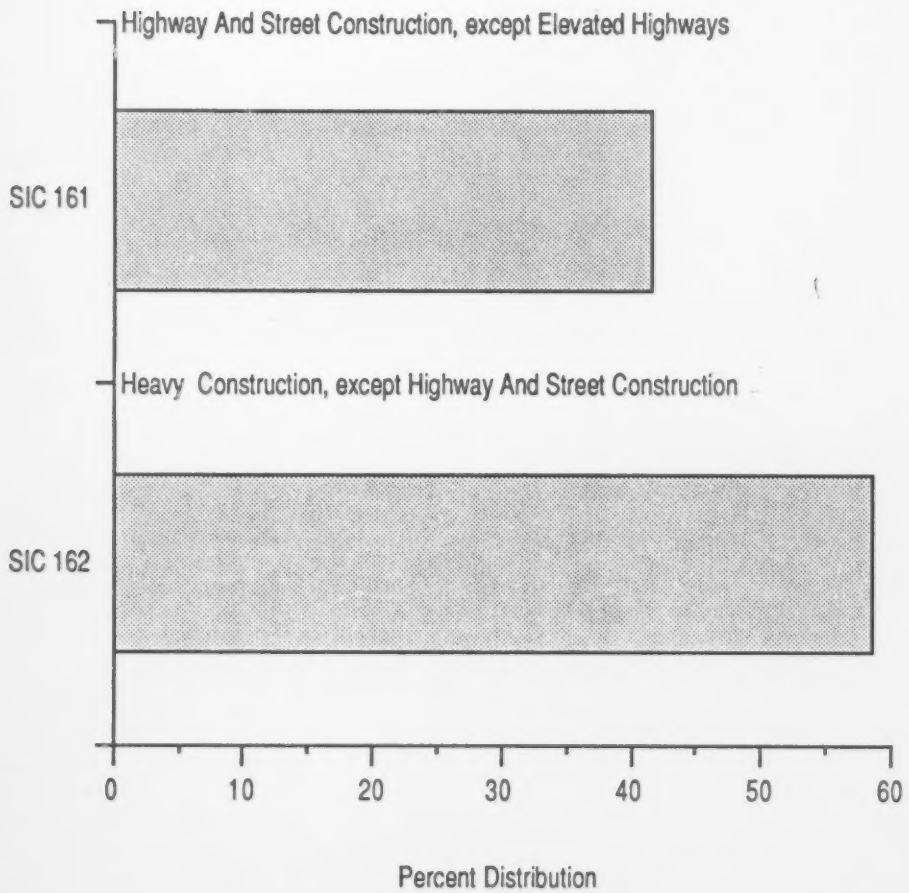
1/ Details may not add to total because of rounding or data suppression.

Heavy Construction Contractors
(SIC 16)

This major group includes general contractors who are engaged in heavy construction of such projects as highways and streets, alleys, bridges, sidewalks, guard rails, parkways, parking areas, airports, bridle paths, athletic fields, viaducts, elevated highways, tunnels, sewers, railroads, irrigation projects, flood control projects, and marine construction. General heavy construction contractors who combine a special trade with the contracting are included iin this major group.

General contractors engaged in the construction of heavy projects, such as bridges, viaducts, tunnels, and water, sewer, pipe line, communication and power line construction lead this group with 58 percent. Construction of nucleur power plants adds to this group. Highway and Street Construction comprise the balance of 42 percent.

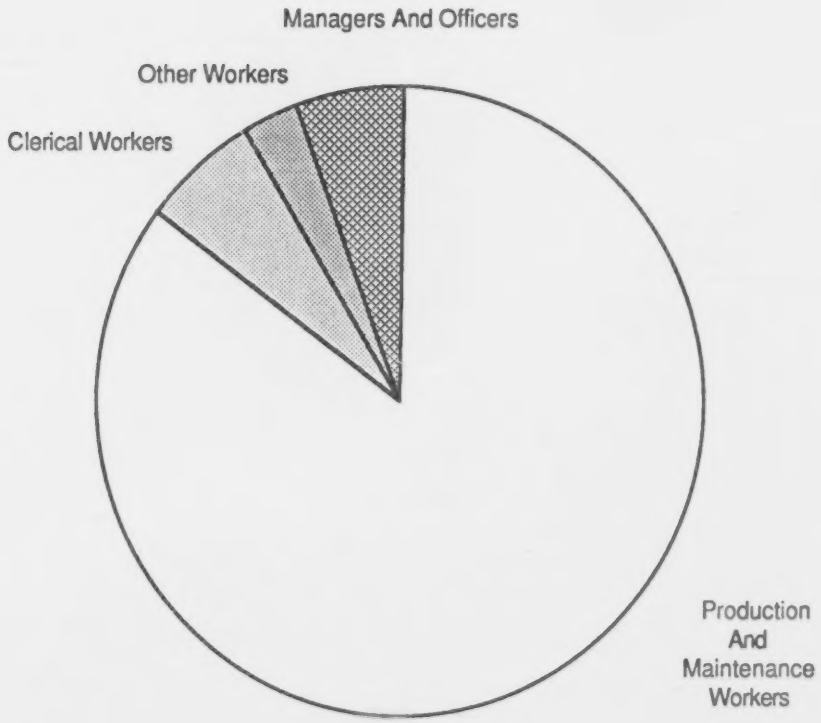
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Graders, Dozers, And Scraper Operators	2390	12.1
Truck Drivers, Heavy-inc. Tractor Trailer	1570	7.9
Telephone And Cable TV Line Installers And Repairers	1060	5.4
Construction Supervisors	1030	5.2
Electric Powerline Installers And Repairers	740	3.7

Percent Distribution Of Employment By Major Occupational Category



HEAVY CONSTRUCTION CONTRACTORS
(SIC 16)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	19,740	NA	100.0
Managers and Officers	1,120	NA	5.7
Financial Managers	100	23.6	0.5
Construction Managers	580	9.6	2.9
General Managers and Top Executives	390	8.8	2.0
Other Managers and Administrators	50	NA	0.3
Professional and Technical Workers	460	NA	2.3
Accountants and Auditors	70	16.4	0.4
Purchasing Agents and Buyers, except Farm Products	30	16.5	0.2
Cost Estimators	200	9.9	1.0
Civil Engineers	80	14.8	0.4
Other Engineers	60	NA	0.3
Other Professional and Technical Workers	20	NA	0.1
Sales Workers	30	NA	0.2
Clerical Workers	1,210	NA	6.1
Clerical and Administrative Supervisors	50	18.0	0.3
Secretaries	340	10.2	1.7
Receptionists and Information Clerks	20	15.3	0.1
Typists	40	27.5	0.2
Bookkeeping, Accounting, and Auditing Clerks	250	13.7	1.2
Payroll and Timekeeping Clerks	70	19.6	0.4
General Office Clerks	250	15.7	1.2
Data Entry Keyers	20	7.7	0.1
Dispatchers-except Police, Fire, Ambulance	20	18.4	0.1
Stock Clerks-Stockroom or Warehouse	20	15.2	0.1
Other Clerical and Administrative Workers	130	NA	0.7
Service Workers	90	NA	0.5
Janitors and Cleaners	40	29.1	0.2
Other Service Workers	50	NA	0.3
Production and Maintenance Workers	16,830	NA	85.2
Mechanics and Repairers Supervisors	60	16.5	0.3
Construction Supervisors	1,030	7.2	5.2
Transportation and Material Moving Supervisors	60	16.8	0.3
Laborer Supervisors	80	13.5	0.4
Other Supervisors	40	NA	0.2
Machinery Maintenance Workers	120	30.7	0.6

HEAVY CONSTRUCTION CONTRACTORS
(SIC 16)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Maintenance Repairers, General Utility	130	13.9	0.6
Bus, Trucks, and Diesel Mechanics	210	7.1	1.1
Mobile Heavy Equipment Mechanics	370	8.0	1.9
Telephone and Cable TV Line Installers and Repairers	1,060	16.9	5.4
Electric Powerline Installers and Repairers	740	8.1	3.7
Other Mechanics, Installers and Repairers	100	NA	0.5
Carpenters	450	11.0	2.3
Brick Masons	70	7.6	0.4
Concrete and Terrazzo Finishers	530	17.5	2.7
Reinforcing Metal Workers	30	9.5	0.2
Pipelayers	580	10.7	2.9
Air Hammer Operators	50	28.1	0.3
Paving, Surfacing, and Tamping Equipment Operators	490	9.6	2.5
Other Construction Trades Workers	550	NA	2.8
Earth Drillers	60	34.4	0.3
Other Extractive Workers	20	NA	0.1
Crushing, Grinding, and Mixing Machine Operators and Tenders	60	28.8	0.3
Other Machine Operators and Tenders	130	NA	0.6
Welders and Cutters	120	12.7	0.6
Other Plant and Systems Operators	40	NA	0.2
Truck Drivers, Heavy-inc. Tractor Trailer	1,570	8.6	7.9
Truck Drivers, Light-inc Delivery and Route Workers	90	28.0	0.5
Excavating and Loading Machine Operators	600	10.7	3.0
Dragline Operators	100	29.7	0.5
Graders, Dozers, and Scraper Operators	2,390	8.0	12.1
Crane and Tower Operators	120	17.0	0.6
Operating Engineers	160	26.7	0.8
Other Material Moving Equipment Operators	90	NA	0.5
Mechanic and Repairer Helpers	120	21.3	0.6
Brick Mason Helpers	80	7.2	0.4
Carpenter Helpers	280	18.0	1.4
Electrician Helpers	330	8.9	1.7
Plumbers, Pipefitters, and Steamfitter Helpers	110	22.0	0.5
Other Construction Trades Helpers	440	NA	2.2
Other Laborers	3,170	NA	16.1

1/ Details may not add to total because of rounding or data suppression.

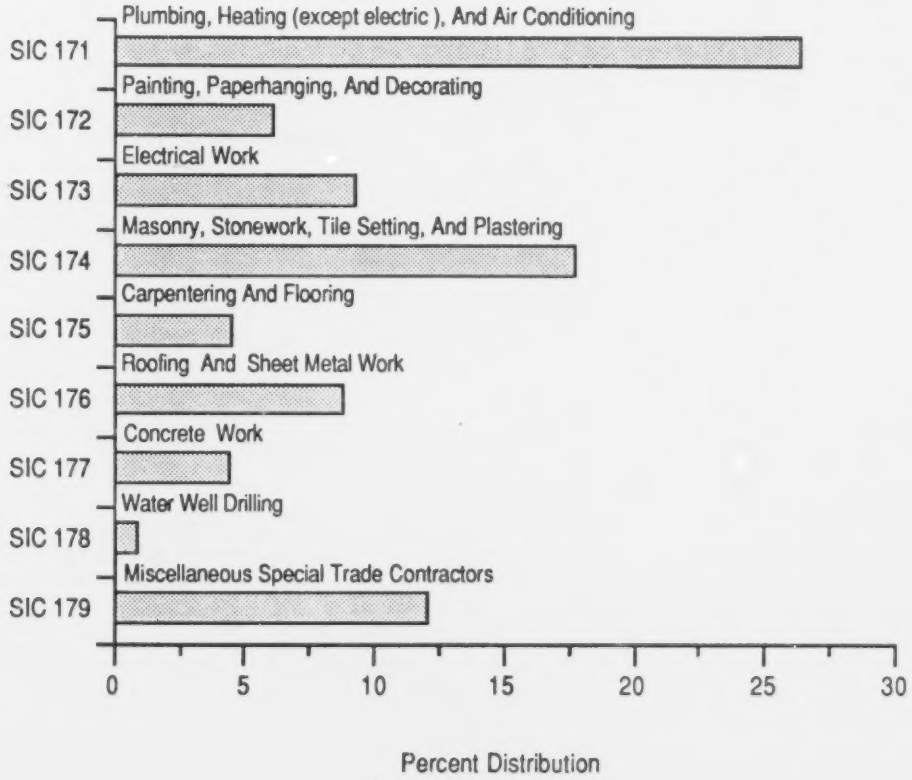
Special Trade Contractors
(SIC 17)

This major group includes contractors who engage in specialized activities such as plumbing, painting, plastering, carpentering, roofing, water well drilling, concrete work, electrical work,etc. Also, included are establishments engaged in miscellaneous construction activities such as erection of structural steel, glass and glazing work, excavation, demolition, installation of building equipment, house moving, etc.

Special trade contractors may work on subcontract from the general contractor, performing only part of the work covered by the general contractor, or they may work directly for the owner. Special trade contractors perform most of their work at the job site, although they also may have shops where they perform work incidental to the site job.

Plumbing and Heating and Air Conditioning Contractors comprise 26 percent of this major employment group followed by Electrical Contractors at 19 percent, Masonry and Stone Contractors, 18 percent, and Miscellaneous Construction Contractors (such as structural steel erection, glass, excavation work, etc.) with 12 percent. Roofers and Siding Contractors at 9 percent, Painters at 6 percent, Carpenters and Concrete Workers at 4 percent, and Water Well Drilling at 1 percent, make up the balance of this group.

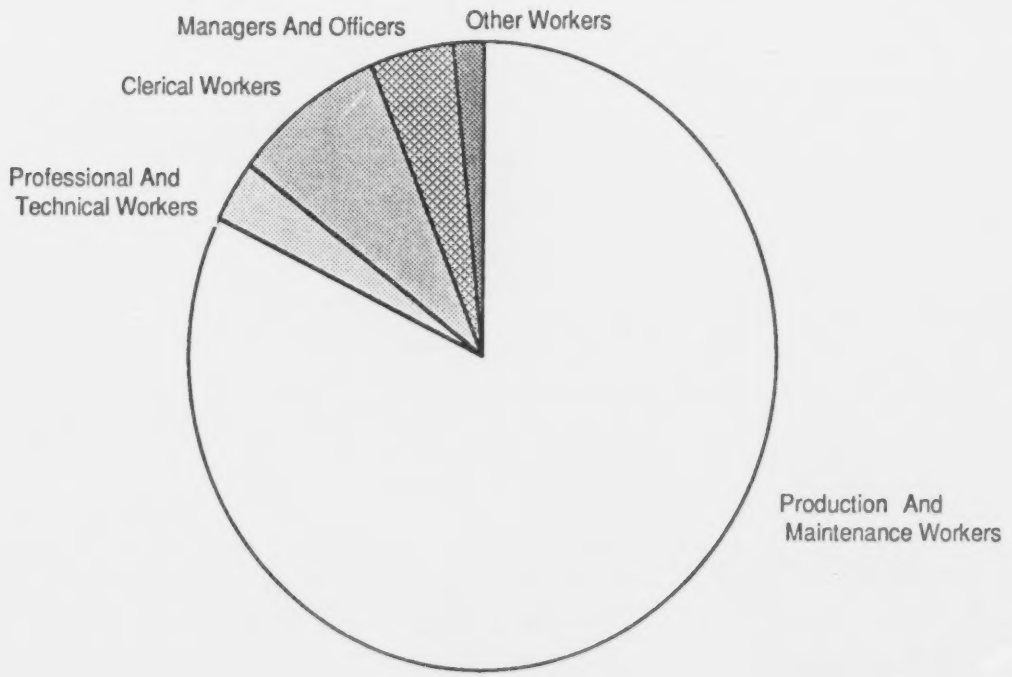
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Electricians	5950	8.8
Plumbers And Pipefitters	3830	5.6
Heating, Air Conditioning, And Refrigeration Mechanics	3670	5.4
Brick Masons	3490	5.1
Electrician Helpers	3240	4.8

Percent Distribution Of Employment By Major Occupational Category



SPECIAL TRADE CONTRACTORS
(SIC 17)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	67,870	NA	100.0
Managers and Officers	3,160	NA	4.7
Financial Managers	550	8.3	0.8
Construction Managers	1,860	5.6	2.8
General Managers and Top Executives	750	10.9	1.1
Professional and Technical Workers	2,120	NA	3.1
Accountants and Auditors	120	14.5	0.2
Purchasing Agents and Buyers	150	16.2	0.2
Cost Estimators	1,410	5.8	2.1
Mechanical Engineers	70	23.4	0.1
Drafters	150	17.3	0.2
Other Engineering Technicians and Technologists	170	NA	0.2
Other Professional and Technical Workers	50	NA	0.1
Sales Workers	640	NA	0.9
Sales Engineers	90	29.0	0.1
Sales Representatives, Scientific-except Retail	530	14.4	0.7
Other Sales and Retail Workers	20	NA	0.1
Clerical Workers	5,680	NA	8.4
Secretaries	2,070	5.3	3.1
Typists	100	19.2	0.1
Bookkeeping, Accounting, and Auditing Clerks	1,130	6.4	1.7
Payroll and Timekeeping Clerks	330	10.0	0.5
General Office Clerks	1,480	7.4	2.2
Stock Clerks-Stockroom or Warehouse	420	10.7	0.6
Other Clerical and Administrative Workers	150	NA	0.2
Service Workers	300	NA	0.5
Janitors and Cleaners	240	16.6	0.3
Other Cleaners and Building Service Workers	60	NA	0.1
Agriculture, Forestry, or Fishery Workers	60	NA	0.1
Gardeners and Groundskeepers	60	29.5	0.1
Production and Maintenance Workers	55,910	NA	82.4
Construction Supervisors	2,040	6.1	3.0
Millwrights	320	19.5	0.5
Maintenance Repairers, General Utility	380	17.8	0.6

SPECIAL TRADE CONTRACTORS
(SIC 17)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Automotive Mechanics	50	14.3	0.1
Bus, Truck, and Diesel Mechanics	40	24.7	0.1
Mobile Heavy Equipment Mechanics	40	18.8	0.1
Other Electrical and Electronic Mechanics, Installers, and Repairers	650	NA	1.0
Heating, Air Conditioning, and Refrigeration Mechanics	3,670	10.5	5.4
Elevator Installers and Repairers	160	24.9	0.2
Riggers	80	24.4	0.1
Other Mechanics, Installers, and Repairers	220	NA	0.3
Carpenters	1,450	12.3	2.1
Ceiling Tile Installers	290	21.1	0.4
Drywall Installers	840	13.8	1.2
Tapers	220	18.7	0.3
Lathers	130	21.0	0.2
Electricians	5,950	4.5	8.8
Brick Masons	3,490	4.8	5.1
Stone Masons	140	31.1	0.2
Hard Tile Setters	430	15.5	0.6
Concrete and Terrazzo Finishers	1,180	7.5	1.7
Reinforcing Metal Workers	170	32.6	0.2
Plaster and Stucco Masons	160	19.4	0.2
Painters and Paperhangers	3,190	2.9	4.7
Plumbers and Pipefitters	3,830	7.8	5.6
Pipelayers	110	27.7	0.2
Carpet Installers	240	30.7	0.3
Paving, Surfacing, and Tamping Equipment Operators	260	16.4	0.4
Insulation Workers	1,580	10.1	2.3
Roofers	2,540	9.6	3.7
Glaziers	480	18.2	0.7
Structural Metal Workers	550	19.7	0.8
Fence Erectors	460	18.3	0.7
Other Construction Trades Workers	850	NA	1.3
Earth Drillers	270	30.4	0.4
Sheet Metal Workers	3,160	9.1	4.7
Metal Fabricators	330	34.7	0.5
Crushing, Grinding, and Mixing Machine Operators and Tenders	40	31.0	0.1
Welders and Cutters	300	11.4	0.4
Other Hand Workers	120	NA	0.2
Truck Drivers, Heavy-inc. Tractor Trailer	440	9.1	0.7
Truck Drivers, Light-inc. Delivery and Route Workers	360	10.1	0.5
Excavating and Loading Machine Operators	240	15.9	0.3

SPECIAL TRADE CONTRACTORS
(SIC 17)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Graders, Dozers, and Scraper Operators	810	9.2	1.2
Crane and Tower Operators	80	23.6	0.1
Industrial Truck and Tractor Operators	80	21.3	0.1
Operating Engineers	170	18.4	0.2
Other Material Moving Equipment Operators	30	NA	0.1
Mechanic and Repairer Helpers	320	29.1	0.5
Brick Mason Helpers	3,100	4.3	4.6
Carpenter Helpers	920	9.8	1.4
Electrician Helpers	3,240	7.4	4.8
Painters and Related Helpers	470	12.3	0.7
Plumbers, Pipefitters, and Steamfitter Helpers	2,310	10.5	3.4
Roofer Helpers	1,050	13.7	1.6
Other Construction Trades Helpers	500	NA	0.7
Material Movers, Hand	180	18.5	0.3
Other Laborers	1,200	NA	1.8

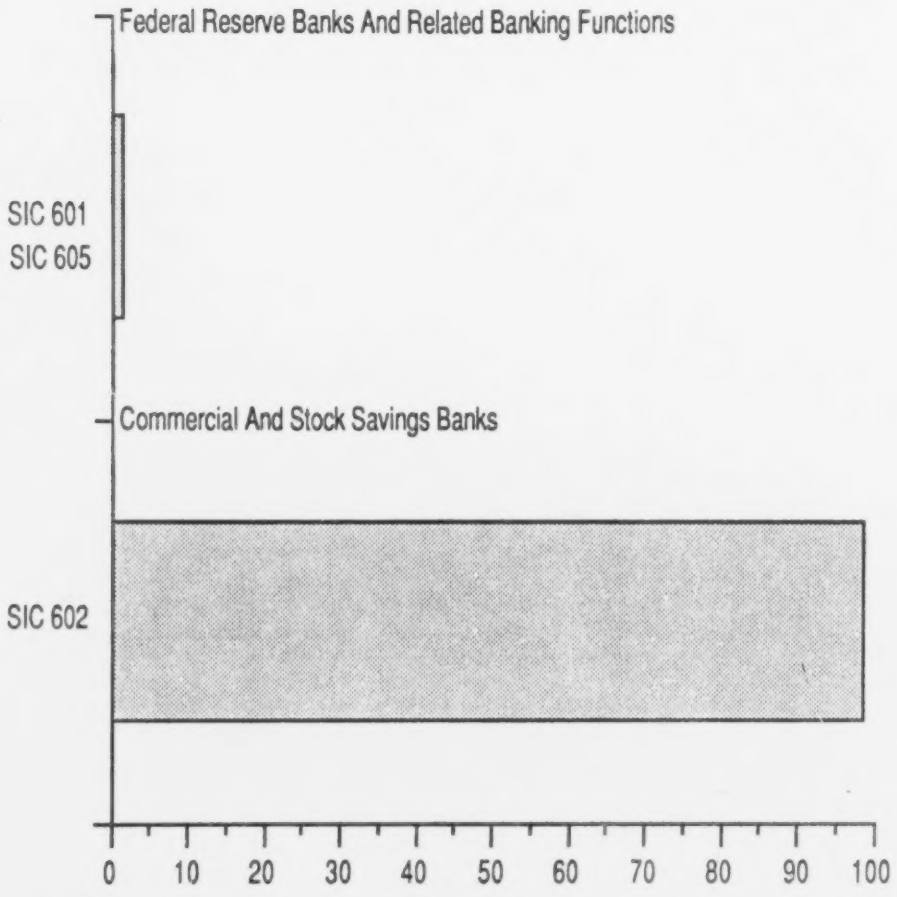
1/ Details may not add to total because of rounding or data suppression.

Banking
(SIC 60)

Establishments in this major group are engaged primarily in deposit banking or closely related functions.

Commercial and Stock Savings Banks lead this major employment group with 98 percent of the employment. These establishment's primary functions are accepting deposits and extending credit by means of loans and investments to the general public. No employment was shown for Mutual Savings Banks and Trust Companies not engaged in deposit banking.

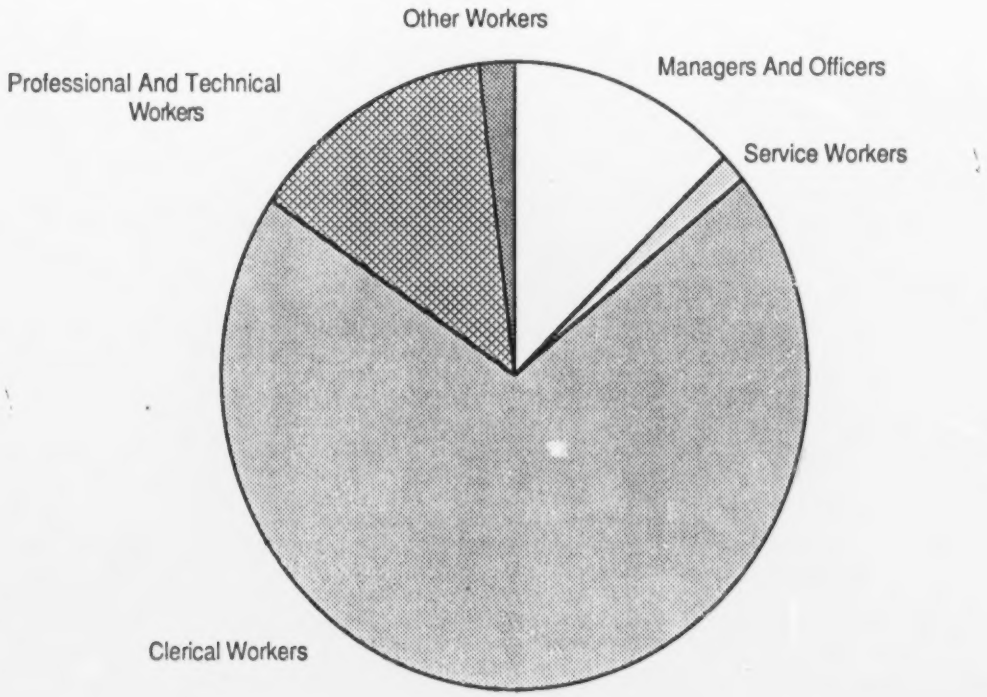
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Tellers	8670	28.0
Secretaries	1560	5.0
General Managers And Top Executives	1460	4.7
Clerical And Administrative Supervisors	1400	4.5
New Accounts Clerks	1290	4.2

Percent Distribution Of Employment By Major Occupational Category



BANKING
(SIC 60)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	30,990	NA	100.0
Managers and Officers	3,940	NA	12.7
Financial Managers	1,040	11.4	3.4
Personnel and Labor Relations Managers	120	8.6	0.4
Purchasing Managers	20	20.2	0.1
Marketing, Advertising, and Public Relations Managers	150	10.7	0.5
Administrative Service Managers	110	17.7	0.3
General Managers and Top Executives	1,460	6.5	4.7
Other Managers and Administrators	1,040	NA	3.4
Professional and Technical Workers	4,230	NA	13.7
Credit Analysts	440	25.6	1.4
Loan Officers and Counselors	980	8.7	3.2
Accountants and Auditors	320	7.7	1.0
Budget Analysts	80	16.4	0.3
Other Financial Specialists	610	NA	2.0
Purchasing Agents and Buyers, except Farm Products	20	13.8	0.1
Personnel and Labor Relations Specialists	240	8.5	0.8
Cost Estimators	20	4.5	0.1
Management Analysts	80	7.7	0.3
Other Management Support Workers	360	NA	1.2
EDP Systems Analysts	200	7.3	0.6
Computer Programmers	160	11.0	0.5
Computer Programmer Aides	70	24.5	0.2
Operations and Systems Researchers and Analysts, except Computer	120	5.5	0.4
Financial Analysts	90	10.4	0.3
Economistists-inc. Market Research	30	20.5	0.1
Public Relations Specialists	270	17.4	0.9
Other Professional and Technical Workers	140	NA	0.4
Sales Workers	360	NA	1.2
Sales Supervisors	100	14.8	0.3
Sales Agents and Placers, Insurance	20	13.6	0.1
Sales Agents, Securities, Commodities, and Financial Services	90	13.2	0.3
Other Sales Representatives, Service	150	NA	0.5
Clerical Workers	21,830	NA	70.4
Clerical and Administrative Supervisors	1,400	5.7	4.5
Tellers	8,670	2.2	28.0
New Accounts Clerks	1,290	6.6	4.2
Transit Clerks	400	10.9	1.3

BANKING
(SIC 60)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Credit Checkers	160	9.8	0.5
Loan and Credit Clerks	1,280	8.2	4.1
Adjustment Clerks	290	12.2	0.9
Statement Clerks	420	9.0	1.3
Brokerage Clerks	60	6.4	0.2
Insurance Examining Clerks	20	28.4	0.1
Bill and Account Collectors	380	7.7	1.2
Secretaries	1,560	5.9	5.0
Stenographers	70	22.9	0.2
Receptionists and Information Clerks	70	18.5	0.2
Typists	100	24.8	0.3
Typists, Word Processing	70	11.2	0.2
Personnel Clerks	60	11.8	0.2
Correspondence Clerks	20	12.8	0.1
File Clerks	120	10.7	0.4
Statistical Clerks	30	6.4	0.1
Bookkeeping, Accounting, and Auditing Clerks	1,270	5.9	4.1
Payroll and Timekeeping Clerks	50	11.9	0.2
Billing, Cost, and Rate Clerks	40	6.8	0.1
General Office Clerks	1,110	8.7	3.6
Billing, Posting, and Calculating Machine Operators	190	11.3	0.6
Duplicating Machine Operators	20	13.3	0.1
Mail Machine Operators	50	15.0	0.2
Computer Operators	350	6.4	1.1
Peripheral EDP Equipment Operators	40	19.7	0.1
Data Entry Keyers	440	6.8	1.4
Other Office Machine Operators	300	NA	1.0
Switchboard Operators	200	8.8	0.6
Mail Clerks, except Mail Machine Operators and Postal Service	70	9.1	0.2
Messengers	380	7.1	1.2
Stock Clerks--Stockroom or Warehouse	30	7.8	0.1
Other Clerical and Administrative Workers	460	NA	1.5
Service Workers	480	NA	1.5
Service Supervisors	30	7.1	0.1
Guards and Watch Guards	110	7.3	0.3
Food and Beverage Preparation Workers	20	10.8	0.1
Janitors and Cleaners	320	16.0	1.0
Production and Maintenance Workers	150	NA	0.5
Other Production Supervisors	30	NA	0.1
Maintenance Repairers, General Utility	50	6.9	0.2
Other Plant and System Operators	40	NA	0.1
Other Laborers	30	NA	0.1

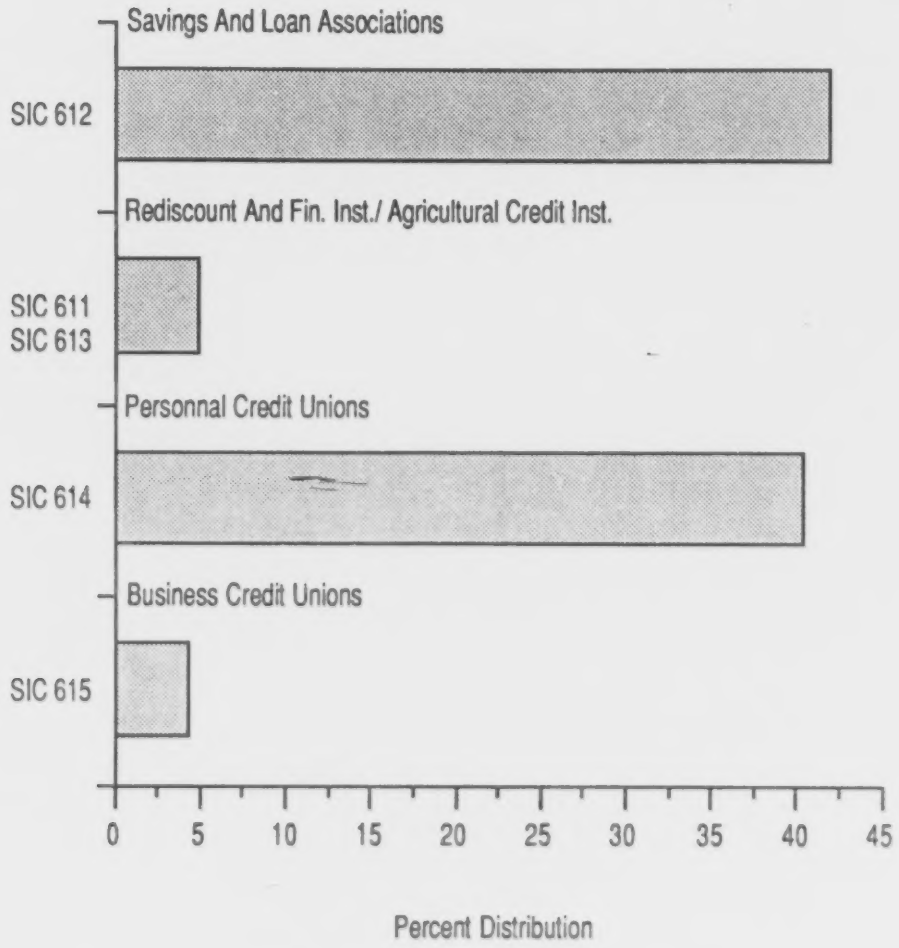
1/ Details may not add to total because of rounding or data suppression.

Credit Agencies Other Than Banks
(SIC 61)

This major group includes establishments engaged in extending credit in the form of loans, but not engaged in deposit banking such as Savings and Loan Associations and Agricultural, Personal, and Business Credit Institutions.

Savings and Loan Associations and Personal Credit Institutions constitute 82 percent of the employment within this major group, with 42 percent and 40 percent, respectively. Completing the group are Business Credit Institutions, 4 percent, and Rediscount and Financing for Credit Agencies Other Than Banks and Agricultural Credit Institutions, 5.2 percent. No employment was shown for Mortgage Bankers and Brokers.

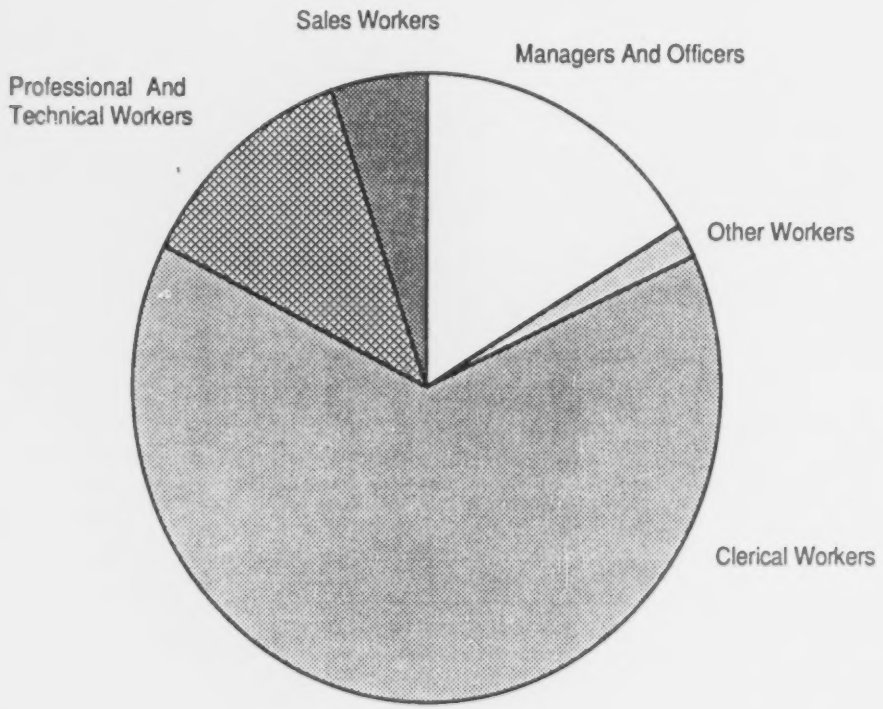
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Tellers	2490	17.1
Loan And Credit Clerks	2060	14.1
Financial Managers	1090	7.5
General Managers And Top Executives	960	6.6
Bookkeeping, Accounting, And Auditing Clerks	680	4.6

Percent Distribution Of Employment By Major Occupational Category



CREDIT AGENCIES OTHER THAN BANKS
(SIC 61)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	14,590	NA	100.0
Managers and Officers	2,390	NA	16.4
Financial Managers	1,090	6.4	7.5
Personnel and Labor Relations Managers	70	13.0	0.5
Marketing, Advertising, and Public Relations Managers	30	18.9	0.2
Administrative Services Managers	30	26.7	0.2
General Managers and Top Executives	960	7.7	6.6
Other Managers and Administrators	210	NA	1.4
Professional and Technical Workers	1,800	NA	12.3
Credit Analysts	630	9.1	4.3
Loan Officers and Counselors	560	10.1	3.9
Accounts and Auditors	260	15.2	1.8
Other Financial Specialists	50	NA	0.3
Personnel and Labor Relations Specialists	40	18.5	0.3
Other Management Support Workers	60	NA	0.4
EDP Systems Analysts	40	24.1	0.3
Computer Programmers	40	19.7	0.3
Public Relations Specialists	40	21.2	0.3
Other Professional and Technical Workers	80	NA	0.5
Sales Workers	740	NA	5.1
Sales Supervisors	70	23.2	0.5
Appraisers, Real Estate	140	30.4	1.0
Sales Agents, Securities, Commodities, and Financial Services	220	21.1	1.5
Other Sales Representatives, Service	30	NA	0.2
Cashiers	280	12.3	1.9
Clerical Workers	9,410	NA	64.5
Clerical and Administrative Supervisors	350	10.7	2.4
Tellers	2,490	4.3	17.1
New Accounts Clerks	420	9.1	2.9
Loan Interviewers	130	25.3	0.9
Credit Checkers	270	15.3	1.9
Loan and Credit Clerks	2,060	5.4	14.1
Statement Clerks	70	15.2	0.5
Bill and Account Collectors	630	8.5	4.3
Secretaries	600	8.7	4.1
Stenographers	40	28.5	0.3
Receptionists and Information Clerks	140	12.7	1.0
Typists	60	22.1	0.4
Typists, Word Processing	40	26.7	0.3
File Clerks	100	16.2	0.7

CREDIT AGENCIES OTHER THAN BANKS
(SIC 61)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Bookkeeping, Accounting, and Auditing Clerks	680	8.9	4.6
Payroll and Timekeeping Clerks	20	22.9	0.1
General Office Clerks	640	14.7	4.4
Computer Operators	100	21.9	0.7
Data Entry Keyers	90	21.9	0.6
Other Office Machine Operators	30	NA	0.2
Switchboard Operators	80	16.5	0.5
Mail Clerks, except Mail Machine Operators and Postal Service	40	21.8	0.3
Messengers	30	22.1	0.2
Other Clerical and Administrative Workers	300	NA	2.1
Service Workers	210	NA	1.4
Janitors and Cleaners	180	14.4	1.2
Other Services Workers	30	NA	0.2
Production and Maintenance Workers	40	NA	0.3
Maintenance Repairers, General Utility	20	34.3	0.1
Other Laborers	20	NA	0.1

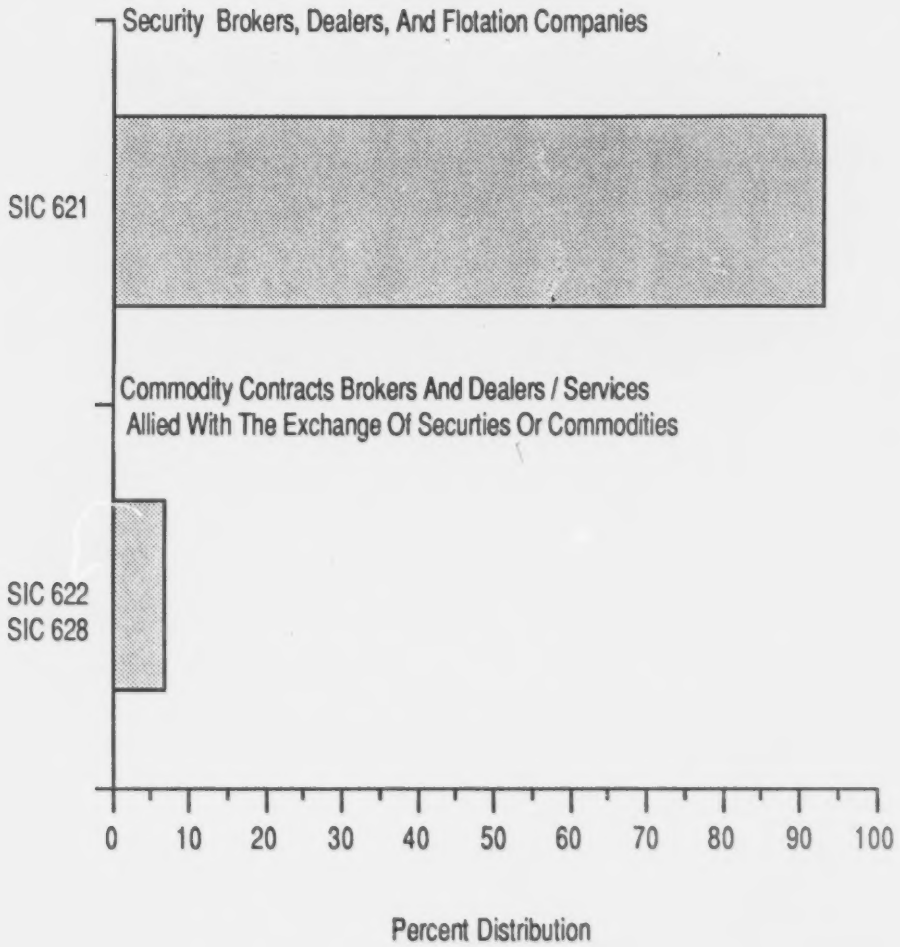
1/ Details may not add to total because of rounding or data suppression.

Security And Commodity Brokers
Dealers And Services
(SIC 62)

Establishments in this major group engage in the underwriting, purchase, sale, or brokerage of securities and other financial contracts on their own account or for the account of others.

Security Brokers, Dealers and Flotation Companies comprise 93 percent of this industrial group.

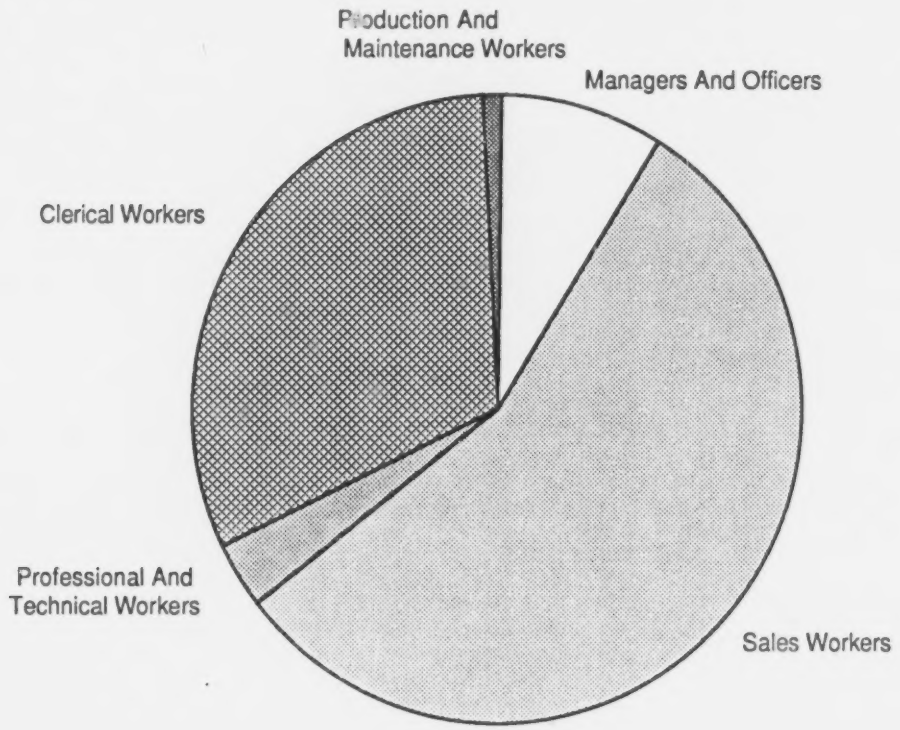
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Sales Agents-Securities,Commodities, And Financial Services	1460	47.4
Secretaries	390	12.6
General Managers And Top Executives	220	7.2
Brokerage Clerks	220	7.2
Sales Supervisors	80	2.7

Percent Distribution Of Employment By Major Occupational Category



SECURITY AND COMMODITY BROKERS
DEALERS AND SERVICES
(SIC 62)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	3,080	NA	100.0
Managers and Officers	270	NA	8.8
General Managers and Top Executives	220	13.4	7.2
Other Managers and Administrators	50	NA	1.6
Professional and Technical Workers	100	NA	3.3
Sales Workers	1,710	NA	55.5
Sales Supervisors	80	23.8	2.7
Sales Agents-Securities, Commodities, and Financial Services	1,460	3.6	47.4
Cashiers	60	22.4	1.9
Other Sales and Related Workers	110	NA	3.6
Clerical Workers	970	NA	31.5
Brokerage Clerks	220	11.4	7.2
Secretaries	390	10.2	12.6
Receptionists and Information Clerks	40	29.6	1.3
General Office Clerks	80	15.1	2.7
Computer Operators	20	27.1	0.6
Switchboard Operators	30	13.3	0.9
Other Clerical and Administrative Workers	190	NA	6.2
Production and Maintenance Workers	30	NA	0.9
Other Laborers	30	NA	0.9

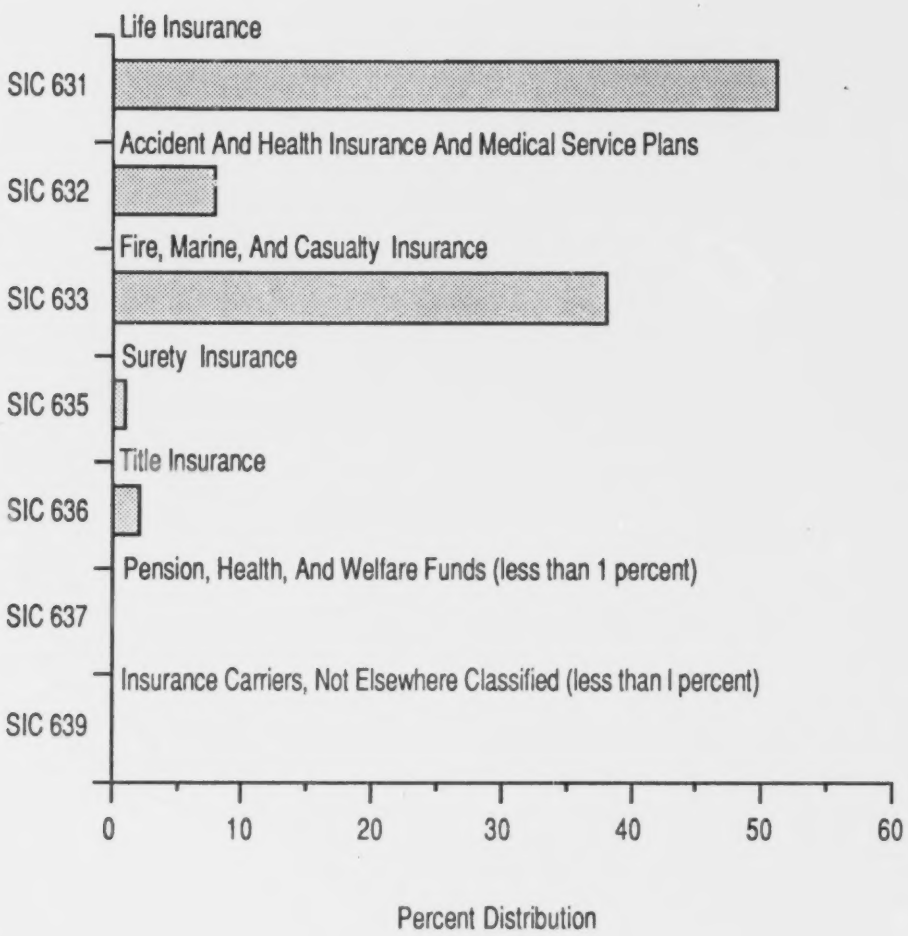
1/ Details may not add to total because of rounding or data suppression.

Insurance
(SIC 63)

This group includes insurance carriers engaged in underwriting life, accident and health, medical, fire, marine, casualty, financial responsibility insurance; as well as insurance to protect the owners of real estate, lenders of money, and establishments primarily engaged in managing pension, retirement, health, and welfare funds. Establishments that insure bank deposits and shares in savings and loan associations are also included in this group.

The graph below shows that Life Insurance, SIC 631, has 51 percent of the employment within this major group.

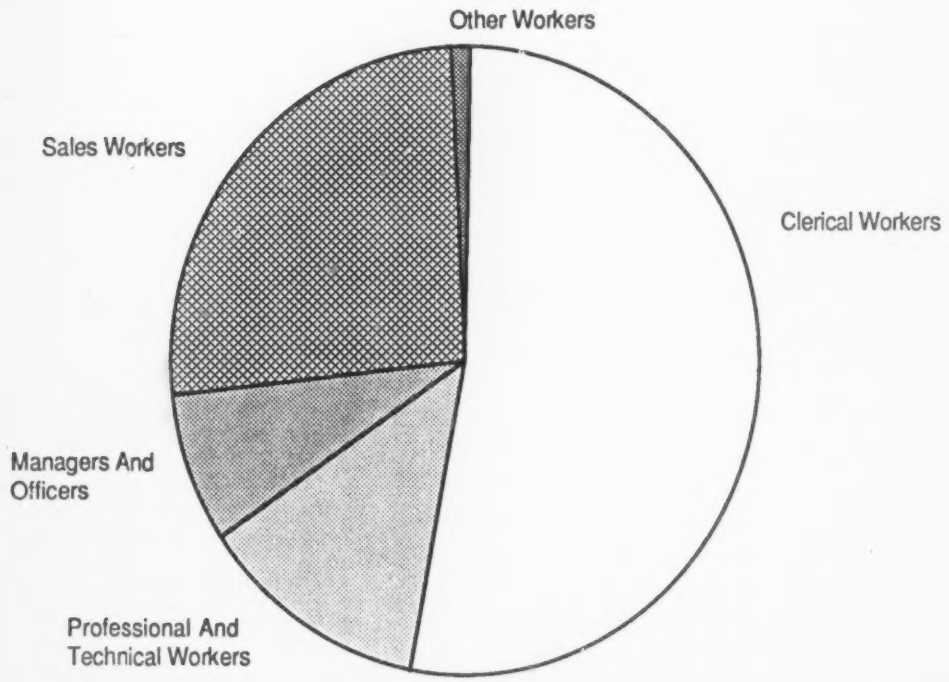
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Sales Agents And Placers, Insurance	4670	21.8
Insurance Policy Processing Clerks	2060	9.6
General Office Clerks	1460	6.8
Insurance Adjusters, Examiners, And Investigators	1200	5.6
Underwriters	1010	4.7

Percent Distribution Of Employment By Major Occupational Category



INSURANCE
(SIC 63)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	21,440	NA	100.0
Managers and Officers	1,670	NA	7.8
Financial Managers	170	27.4	0.8
Personnel and Labor Relations Managers	40	9.4	0.2
Marketing, Advertising, and Public Relations Managers	50	25.4	0.2
Administrative Services Managers	60	30.5	0.3
General Managers and Top Executives	860	8.0	4.0
Other Managers and Administrators	490	NA	2.3
Professional and Technical Workers	2,700	NA	12.6
Underwriters	1,010	10.5	4.7
Accountants and Auditors	180	11.5	0.9
Other Financial Specialists	20	NA	0.1
Special Agents, Insurance	310	34.4	1.4
Personnel and Labor Relations Specialists	40	11.5	0.2
Claims Examiners, Property and Casualty Insurance	250	22.2	1.1
Other Management Support Workers	200	NA	0.9
Safety Engineers, except Mining	90	22.0	0.4
EDP Systems Analysts	110	28.7	0.5
Computer Programmers	180	20.9	0.9
Operations and Systems Researchers and Analysts, except Computer	40	24.4	0.2
Actuaries	40	23.3	0.2
Lawyers	40	24.0	0.2
Other Health Professionals and Technicians	20	NA	0.1
Public Relations Specialists	40	24.4	0.2
Other Professional and Technical Workers	130	NA	0.6
Sales Workers	5,550	NA	25.9
Sales Supervisors	810	9.8	3.8
Sales Agents and Placers, Insurance	4,670	9.2	21.8
Other Sales and Related Workers	70	NA	0.3
Clerical Workers	11,430	NA	53.3
Clerical and Administrative Supervisors	590	7.3	2.8
Insurance Adjusters, Examiners, and Investigators	1,200	14.3	5.6
Insurance Claims Clerks	760	20.2	3.5
Insurance Policy Processing Clerks	2,060	11.9	9.6
Legal Secretaries	20	26.6	0.1
Other Secretaries	1,030	NA	4.8
Stenographers	40	21.9	0.2

INSURANCE
(SIC 63)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Receptionists and Information Clerks	80	27.2	0.4
Typists	360	11.6	1.7
Typists, Word Processing	210	17.0	0.9
Personnel Clerks	40	13.5	0.2
Correspondence Clerks	190	31.6	0.9
File Clerks	640	6.2	2.9
Statistical Clerks	20	24.9	0.1
Bookkeeping, Accounting, and Auditing Clerks	550	12.7	2.6
Billing, Cost, and Rate Clerks	220	20.8	1.0
General Office Clerks	1,460	7.7	6.8
Mail Machine Operators	40	25.7	0.2
Computer Operators	160	18.4	0.8
Peripheral EDP Equipment Operators	50	23.7	0.2
Data Entry Keyers	480	12.2	2.3
Other Office Machine Operators	130	NA	0.6
Switchboard Operators	60	12.1	0.3
Mail Clerks, except Mail Machine Operators and Postal Service	120	8.9	0.5
Stock Clerks-Stockroom or Warehouse	40	14.5	0.2
Other Clerical and Administrative Workers	880	NA	4.1
Service Workers	50	NA	0.2
Service Supervisors	20	24.5	0.1
Janitors and Cleaners	30	22.8	0.1
Production and Maintenance Workers	40	NA	0.2
Maintenance Repairers, General Utility	20	21.4	0.1
Other Production and Maintenance Workers	20	NA	0.1

1/ Details may not add to totals because of rounding or data suppression.

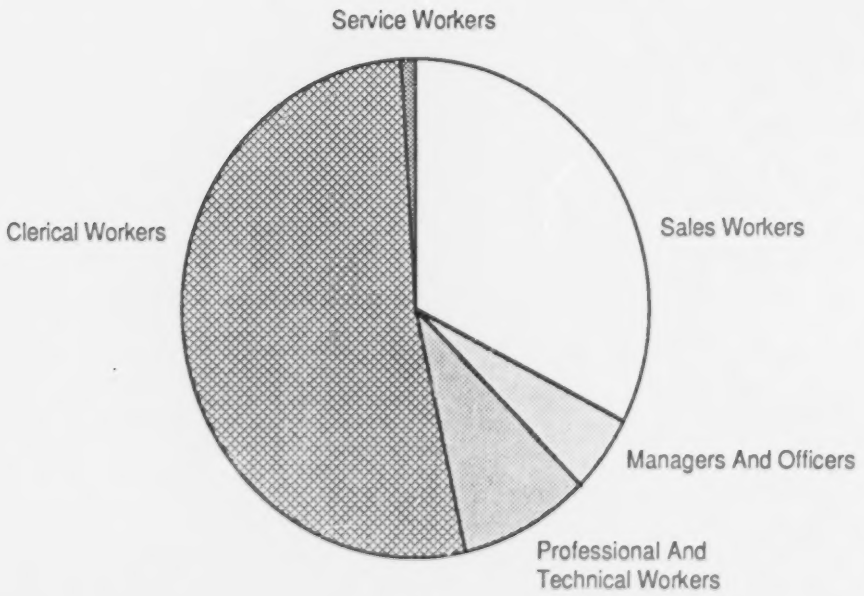
Insurance Agents, Brokers, And Service (SIC 64)

This major group includes agents and brokers dealing in insurance. Organizations offering services to insurance companies and to policy holders are also included in this group. Unlike most major groups, this group has only one three-digit division, SIC 641.

The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Sales Agents And Placers, Insurance	2670	28.8
Insurance Policy Processing Clerks	1680	18.2
Bookkeeping, Accounting, And Auditing Clerks	480	5.2
Underwriters	450	4.9
Insurance Adjusters, Examiners, And Investigators	310	3.3

Percent Distribution Of Employment By Major Occupational Category



INSURANCE AGENTS, BROKERS, AND SERVICE
(SIC 64)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	9,280	NA	100.0
Managers and Officers	470	NA	5.1
Financial Managers	260	6.9	2.8
General Manaers and Top Executives	120	13.3	1.3
Other Managers and Administrators	90	NA	0.9
Professional and Technical Workers	800	NA	8.7
Underwriters	450	8.0	4.9
Accountants and Auditors	80	14.6	0.8
Special Agents, Insurance	100	19.8	1.1
Claims Examiners, Property and Casualty Insurance	50	21.9	0.6
Other Management Support Workers	20	NA	0.2
Other Professional and Technical Workers	100	NA	1.1
Sales Workers	3,030	NA	32.6
Sales Supervisors	310	6.9	3.3
Sales Agents and Placers, Insurance	2,670	3.0	28.8
Other Sales and Related Workers	50	NA	0.5
Clerical Workers	4,880	NA	52.5
Clerical and Administrative Supervisors	40	14.4	0.5
Insurance Adjusters, Examiners, and Investigators	310	13.0	3.3
Insurance Appraisers, Auto Damage	50	23.6	0.5
Insurance Claims Clerks	380	9.3	4.1
Insurance Policy Processing Clerks	1,680	3.6	18.2
Real Estate Clerks	30	22.3	0.3
Other Secretaries	800	NA	8.6
Receptionists and Information Clerks	150	9.8	1.6
Typists	120	12.2	1.3
Typists, Word Processing	70	14.4	0.7
File Clerks	150	9.5	1.6
Bookkeeping, Accounting, and Auditing Clerks	480	4.0	5.2
Payroll and Timekeeping Clerks	20	20.9	0.2
Billing, Cost, and Rate Clerks	30	24.1	0.4
General Office Clerks	370	8.9	3.9
Billing, Posting, and Calculating Machine Operators	20	23.2	0.2
Data Entry Keyers	20	24.4	0.2
Switchboard Operators	50	13.3	0.5

INSURANCE AGENTS, BROKERS, AND SERVICE
(SIC 64)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Mail Clerks, except Mail Machine Operators and Postal Service	30	15.3	0.3
Other Clerical and Administrative Workers	80	NA	0.8
Service Workers	100	NA	1.1

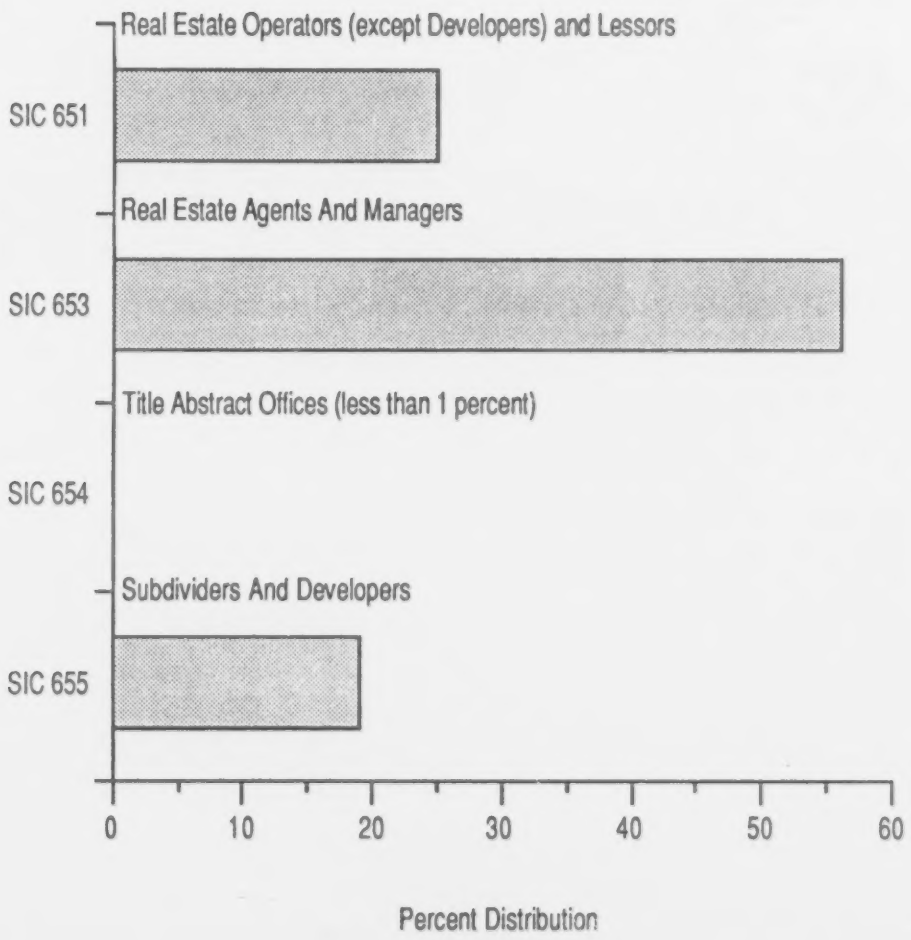
1/ Details may not add to totals because of rounding or data suppression.

Real Estate
(SIC 65)

This group includes real estate operators, and owners and lessors of real property, as well as buyers, sellers, developers, agents and brokers. Establishments engaged in searching real estate titles are also included.

As the graph shows below, 56 percent of the employment is contained in Real Estate Agents And Managers, SIC 653. Real Estate Operators (except Developers) And Lessors, SIC 651, comprises 25 percent of the employment.

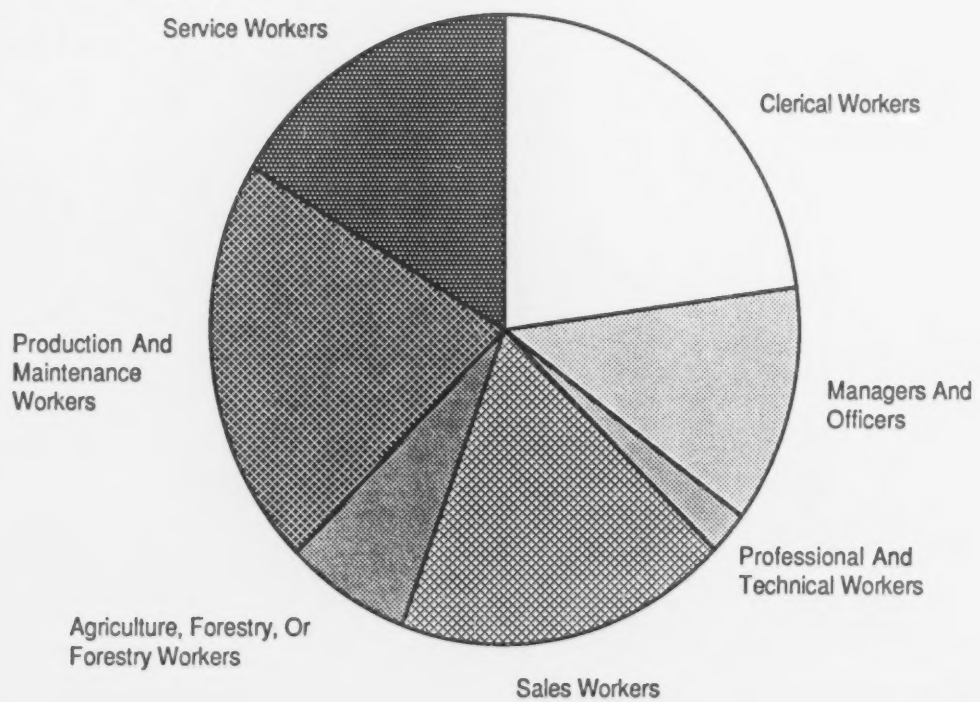
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Maintenance Repairers, General Utility	2620	13.1
Gardeners And Groundskeepers	1380	6.9
Sales Agents, Real Estate	1240	6.2
Brokers, Real Estate	1070	5.3
Bookkeeping, Accounting, And Auditing Clerks	920	4.6

Percent Distribution Of Employment By Major Occupational Category



REAL ESTATE
(SIC 65)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	19,970	NA	100.0
Managers and Officers	2,450	NA	12.3
Financial Managers	700	8.9	3.5
Marketing, Advertising, and Public Relations Managers	30	20.9	0.2
Administrative Services Managers	40	25.9	0.2
Property and Real Estate Managers and Administrators	510	7.9	2.5
Food Service and Lodging Managers	240	13.7	1.2
General Managers and Top Executives	800	8.8	4.0
Other Managers and Administrators	130	NA	0.6
Professional and Technical Workers	430	NA	2.2
Accountants and Auditors	170	15.8	0.8
Other Management Support Workers	80	NA	0.4
Other Engineers	20	NA	0.1
Other Health Professionals and Technicians	40	NA	0.2
Other Professional and Technical Workers	120	NA	0.6
Sales Workers	3,670	NA	18.4
Sales Supervisors	620	8.9	3.1
Sales Agents and Placers, Insurance	120	29.2	0.6
Brokers, Real Estate	1,070	9.9	5.3
Sales Agents, Real Estate	1,240	8.2	6.2
Appraisers, Real Estate	170	34.1	0.9
Other Sales Representatives, Service	330	NA	1.7
Other Sales and Related Workers	120	NA	0.6
Clerical Workers	4,540	NA	22.7
Clerical and Administrative Supervisors	80	18.2	0.4
Real Estate Clerks	490	11.5	2.5
Other Secretaries	1,310	NA	6.5
Receptionists and Information Clerks	490	8.6	2.5
Typists	70	24.8	0.4
Typists, Word Processing	40	30.2	0.2
Bookkeeping, Accounting, and Auditing Clerks	920	6.6	4.6
Payroll and Timekeeping Clerks	30	26.8	0.2
General Office Clerks	810	9.4	4.0
Other Office Machine Operators	40	NA	0.2
Switchboard Operators	70	20.5	0.4
Other Clerical and Administrative Workers	190	NA	0.9

REAL ESTATE
(SIC 65)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Service Workers	3,270	NA	16.3
Service Supervisors	110	16.9	0.6
Guards and Watch Guards	390	12.6	1.9
Other Protective Service Workers	20	NA	0.1
Food and Beverage Preparation Workers	580	10.9	2.9
Janitors and Cleaners	890	9.3	4.4
Other Cleaners and Building Service Workers	1,200	NA	6.0
Other Service Workers	80	NA	0.4
Agriculture, Forestry, or Fishery Workers	1,380	NA	6.9
Gardeners and Groundskeepers	1,380	6.7	6.9
Production and Maintenance Workers	4,230	NA	21.2
Construction Trades Supervisors	150	18.4	0.7
Other Production Supervisors	170	NA	0.8
Maintenance Repairers, General Utility	2,620	5.0	13.1
Other Mechanics, Repairers, and Installers	30	NA	0.2
Carpenters	450	14.7	2.3
Painters and Paperhangers	270	16.4	1.3
Other Construction Trades Workers	160	NA	0.8
Other Transportation and Material Moving Equipment Operators	90	NA	0.5
Other Laborers	290	NA	1.5

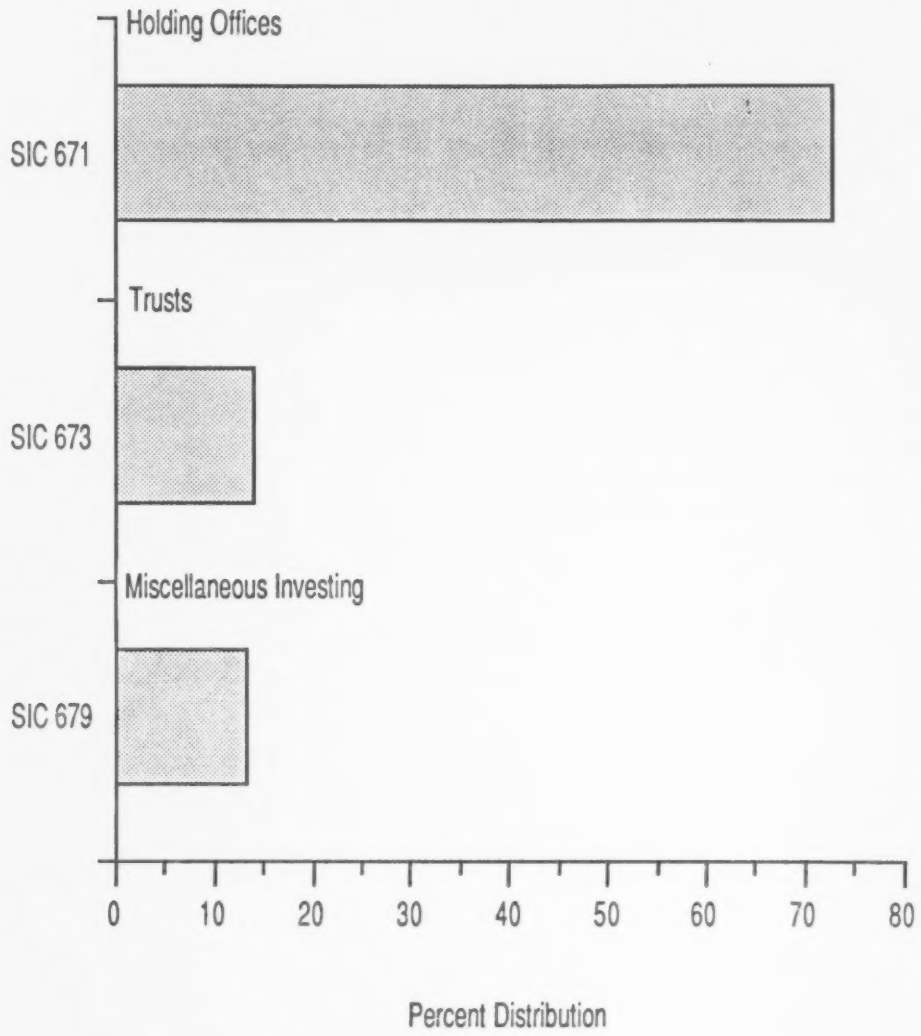
1/ Details may not add to totals because of rounding or data suppression.

Holding Offices, Trusts And Miscellaneous Investing (SIC 67)

This major group includes investment trusts, holding companies and community trading companies.

Holding Offices comprise 73 percent of the employment in this major group, with Trusts and Investments completing the group with 14 percent and 13 percent respectively. No employment was shown in Investment Offices.

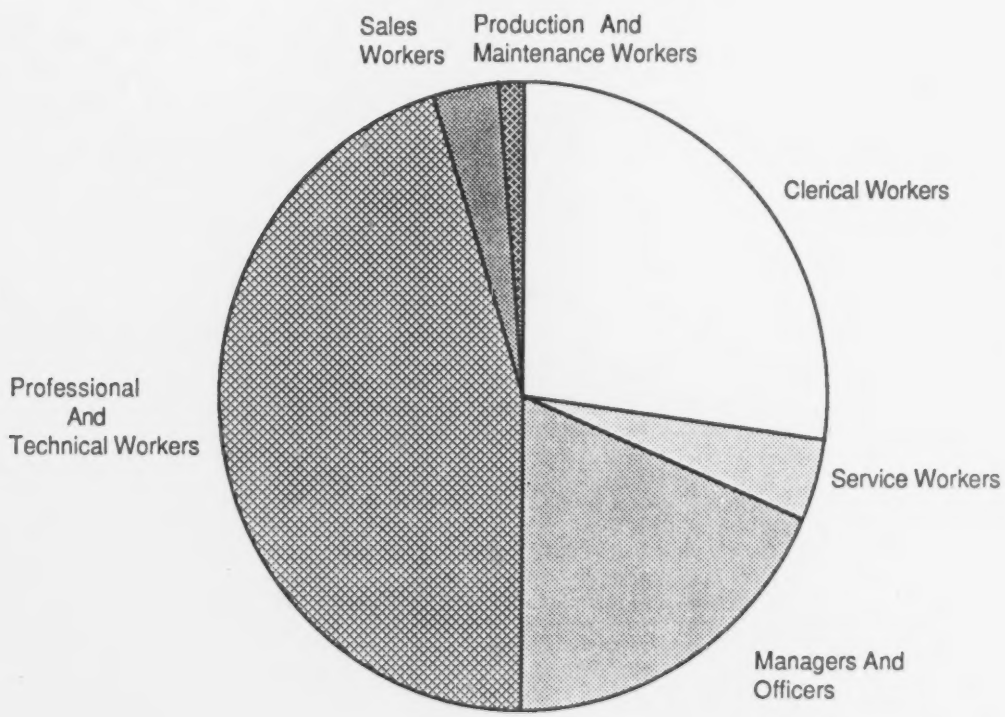
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Accountants And Auditors	260	17.9
Secretaries	160	11.3
General Managers And Top Executives	120	8.6
Financial Managers	80	8.3
Bookkeeping, Accounting, And Auditing Clerks	60	4.0

Percent Distribution Of Employment By Major Occupational Category



HOLDING OFFICES, TRUSTS AND MISCELLANEOUS INVESTING
(SIC 67)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	1,440	NA	100.0
Managers and Officers	270	NA	18.7
Financial Managers	80	17.5	5.5
General Managers and Top Executives	120	22.4	8.3
Other Managers and Administrators	70	NA	4.9
Professional and Technical Workers	650	NA	45.1
Accountants and Auditors	260	12.8	17.9
Other Financial Specialists	280	NA	19.5
Other Management Support Workers	30	NA	2.1
Other Legal Assistants and Technicians, except Clerical	40	NA	2.8
Other Professional and Technical Workers	40	NA	2.8
Sales Workers	50	NA	3.5
Other Sales Representatives, Service	50	NA	3.5
Clerical Workers	390	NA	27.1
Secretaries	160	16.4	11.3
Bookkeeping, Accounting, and Auditing Clerks	60	22.5	4.2
General Office Clerks	40	7.3	2.8
Other Clerical and Administrative Workers	130	NA	9.0
Service Workers	60	NA	4.2
Other Cleaning and Building Service Workers	60	NA	4.2
Production and Maintenance Workers	20	NA	1.4
Other Laborers	20	NA	1.4

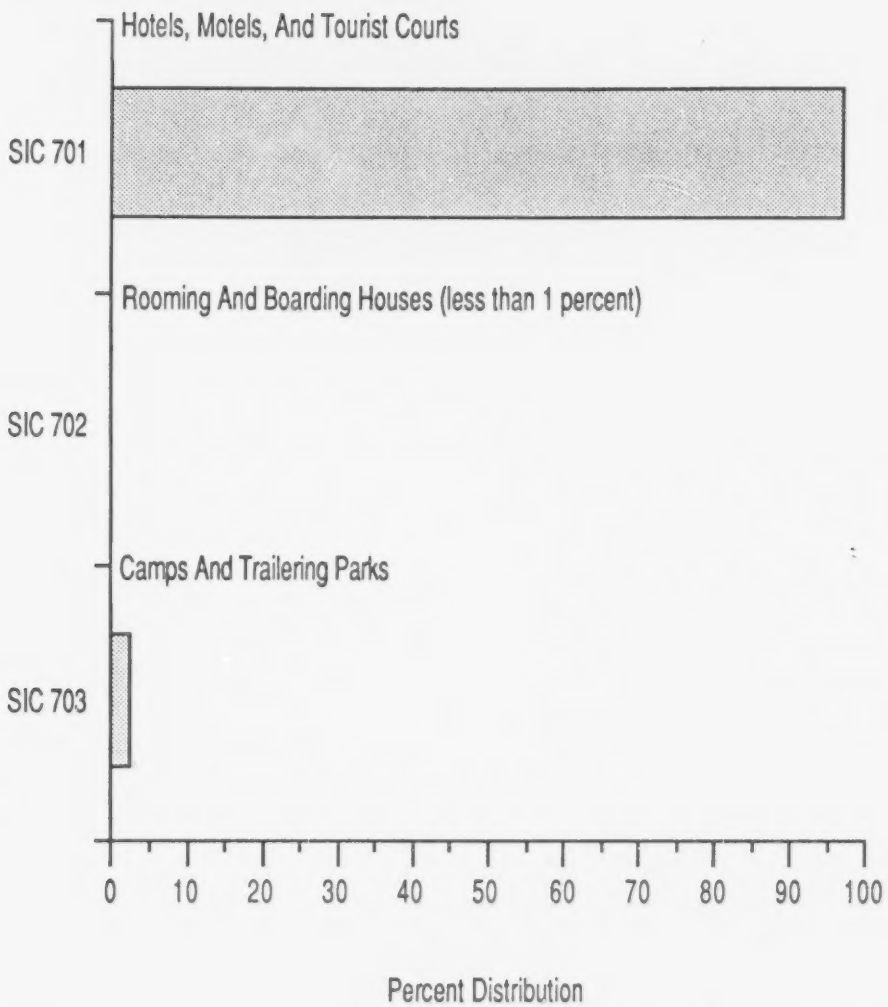
1/ Details may not add to total because of rounding or data suppression.

Hotels, Rooming Houses, Camps, And Other Lodging Places (SIC 70)

This major group includes establishments known to the public as hotels, motor-hotels, tourist courts, rooming and boarding houses, and trailering parks and campsites for transients. These establishments are engaged in furnishing lodging, lodging and meals, camping spaces, or camping facilites, on a fee basis.

Hotels, Motels, And Tourist Courts, SIC 701, has 97 percent of the employment in this major group.

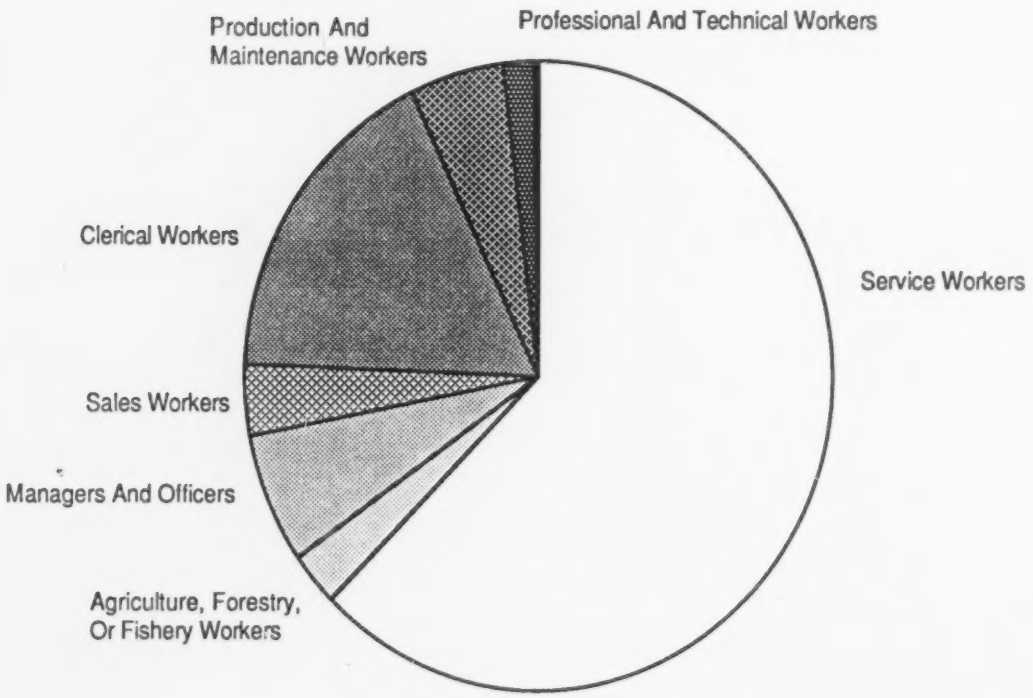
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Maids	5970	23.8
Waiters And Waitresses	3470	13.8
Hotel Desks Clerks	2950	11.7
Cooks, Restaurant	940	3.7
Gardeners And Groundskeepers	710	2.8

Percent Distribution Of Employment By Major Occupational Category



HOTELS, ROOMING HOUSES, CAMPS, AND
OTHER LODGING PLACES
(SIC 70)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	25,130	NA	100.0
Managers and Officers	1,670	NA	6.6
Marketing, Advertising, and Public Relations Managers	60	29.2	0.2
Food Service and Lodging Managers	680	17.5	2.7
General Managers and Top Executives	570	28.9	2.3
Other Managers and Administrators	360	NA	1.4
Professional and Technical Workers	450	NA	1.8
Purchasing Agents and Buyers, except Farm Products	30	27.4	0.1
Other Management Support Workers	120	NA	0.5
Recreation Workers	130	33.3	0.5
Other Professional and Technical Workers	170	NA	0.7
Sales Workers	920	NA	3.7
Sales Agents, Selected Business Services	180	24.7	0.7
Other Sales Representatives, Service	50	NA	0.2
Cashiers	430	30.8	1.7
Other Sales and Related Workers	260	NA	1.0
Clerical Workers	4,360	NA	17.3
Clerical and Administrative Supervisors	80	25.4	0.3
Hotel Desk Clerks	2,950	10.8	11.7
Secretaries	240	21.3	1.0
Bookkeeping, Accounting, and Auditing Clerks	410	25.5	1.6
Switchboard Operators	100	14.6	0.4
Stock Clerks - Stockroom or Warehouse	50	14.9	0.2
Other Clerical and Administrative Workers	530	NA	2.1
Service Workers	15,700	NA	62.5
Housekeepers	670	24.8	2.7
Other Service Supervisors	90	NA	0.4
Other Protective Services Workers	260	NA	1.0
Hosts and Hostesses	390	14.5	1.6
Bartenders	500	13.3	1.9
Waiters and Waitresses	3,470	10.2	13.8
Dining Room and Cafeteria Workers	470	17.6	1.9
Bakers, Bread and Pastry	50	21.1	0.2
Cooks, Restaurant	940	16.7	3.7
Food and Beverage Preparation Workers	480	17.7	1.9
Other Food Service Workers	1,030	NA	4.1

HOTELS, ROOMING HOUSES, CAMPS, AND
OTHER LODGING PLACES
(SIC 70)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Maids	5,970	7.2	23.8
Janitors and Cleaners	410	21.2	1.6
Other Cleaning and Building Service Workers	250	NA	1.0
Baggers, Porters, and Bellhops	430	16.7	1.7
Other Service Workers	290	NA	1.2
Agriculture, Forestry, or Fishery Workers	710	NA	2.8
Gardeners and Groundskeepers	710	25.8	2.8
Production and Maintenance Workers	1,320	NA	5.3
Maintenance Repairers, General Utility	530	23.2	2.1
Other Mechanics, Installers, and Repairers	50	NA	0.2
Carpenters	30	34.2	0.1
Other Construction Trades Workers	160	NA	0.6
Laundry and Dry Cleaning Machine Operators	430	30.4	1.7
Taxi Drivers and Chauffeurs	40	29.9	0.2
Other Laborers	80	NA	0.3

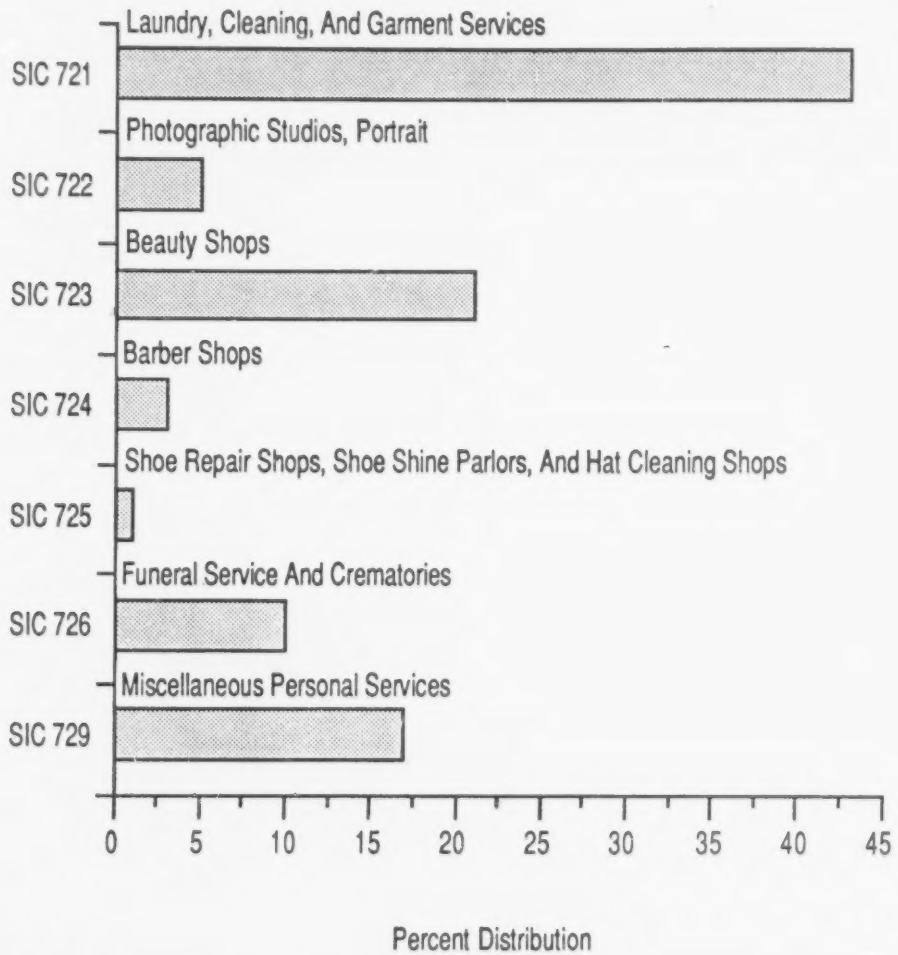
1/ Details may not add to totals because of rounding or data suppression.

Personal Services
(SIC 72)

This major group includes establishments primarily engaged in providing services involving the care of the person or his/her apparel, such as laundries, dry cleaning plants, portrait photographic studios, beauty and barber shops, funeral services and crematories, health clubs, and tattoo parlors.

Laundry,Cleaning, and Garment Services ,SIC 721, contains 43 percent of the employment in Personal Services.

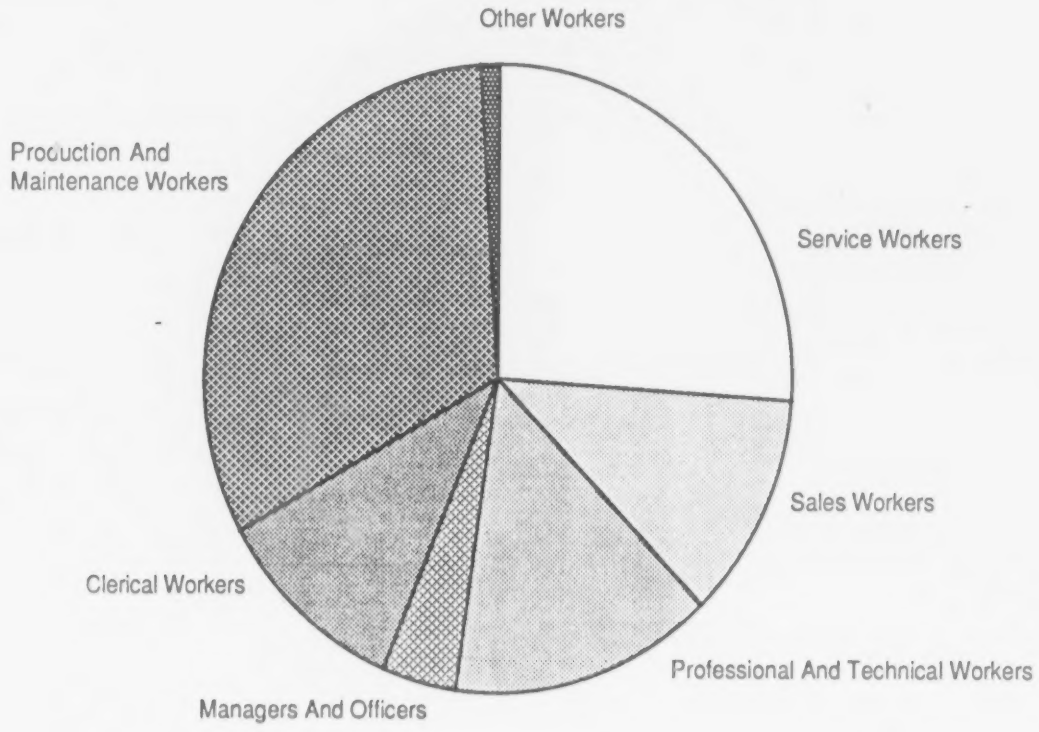
Estimated Employment Distribution By Three- Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Hairdressers, Hairstylists, And Cosmetologists	4620	17.9
Counter And Rental Clerks	1510	5.9
Pressing Machine Operators And Tenders-Textile And Garment	1400	5.4
Laundry And Dry Cleaning Machine Operators	1230	4.8
Receptionists And Information Clerks	970	3.8

Percent Distribution Of Employment By Major Occupational Category



PERSONAL SERVICES
(SIC 72)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	25,720	NA	100.0
Managers and Officers	1,090	NA	4.2
Financial Managers	350	10.8	1.4
Personnel and Labor Relations Managers	20	14.0	0.1
Marketing, Advertising, and Public Relations Managers	60	20.3	0.2
General Managers and Top Executives	560	10.9	2.2
Other Managers and Administrators	100	NA	0.4
Professional and Technical Workers	3,730	NA	14.5
Tax Preparers	800	16.0	3.1
Accountants and Auditors	80	22.2	0.3
Lecturers	420	19.0	1.7
Instructors and Coaches, Sports and Physical Training	620	15.1	2.4
Other Teachers and Instructors	40	NA	0.2
Other Health Professionals and Technicians	160	NA	0.6
Photographers	350	14.2	1.4
Funeral Directors and Morticians	820	4.7	3.2
Embalmers	300	8.0	1.2
Other Professional and Technical Workers	140	NA	0.5
Sales Workers	3,010	NA	11.7
Sales Supervisors	270	10.1	1.0
Sales Representatives, Nonscientific-except Retail	310	18.3	1.2
Counter and Rental Clerks	1,510	10.6	5.9
Cashiers	460	23.4	1.8
Other Sales and Related Workers	460	NA	1.8
Clerical Workers	2,750	NA	10.7
Clerical and Administrative Supervisors	60	10.6	0.2
Secretaries	340	8.2	1.3
Receptionists and Information Clerks	970	9.6	3.8
Typists	60	23.9	0.2
Order Clerks	100	24.3	0.4
Bookkeeping, Accounting, and Auditing Clerks	300	10.9	1.2
Payroll and Timekeeping Clerks	80	17.4	0.3
General Office Clerks	480	13.6	1.9
Data Entry Keyers	20	26.1	0.1
Other Office Machine Operators	40	NA	0.2
Stock Clerks-Stockroom or Warehouse	150	14.2	0.6
Other Clerical and Administrative Workers	150	NA	0.6

PERSONAL SERVICES
(SIC 72)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Service Workers	6,770	NA	26.3
Service Supervisors	440	12.0	1.7
Maids	120	9.4	0.5
Janitors and Cleaners	210	14.7	0.8
Barbers	450	18.1	1.7
Hairdressers, Hairstylists and Cosmetologists	4,620	2.1	17.9
Manicurists	80	16.5	0.3
Shampooers	100	14.8	0.4
Funeral Attendants	630	7.3	2.5
Other Service Workers	120	NA	0.5
Agriculture, Forestry, or Fishery Workers	80	NA	0.3
Gardeners or Groundskeepers	80	17.0	0.3
Production and Maintenance Workers	8,290	NA	32.3
Other Production Supervisors	60	NA	0.2
Production Inspectors	220	18.4	0.9
Other Inspectors	60	NA	0.2
Maintenance Repairers, General Utility	130	18.1	0.5
Automotive Mechanics	20	19.3	0.1
Bus, Truck, and Diesel Mechanics	20	17.6	0.1
Menders	210	15.7	0.8
Other Mechanics, Installers, and Repairers	200	NA	0.8
Custom Tailors and Sewers	280	17.7	1.1
Shoe and Leather Workers and Repairers-Precision	180	12.7	0.7
Spotters, Dry Cleaning	280	14.9	1.1
Pressers	870	12.5	3.4
Other Precision Workers	70	NA	0.3
Sewing Machine Operators, Garment	180	24.3	0.7
Sewing Machine Operators, Nongarment	20	22.9	0.1
Laundry and Dry Cleaning Machine Operators	1,230	12.7	4.8
Pressing Machine Operators and Tenders-Textile and Garment	1,400	10.0	5.4
Photographic Process Machine Operators and Tenders	60	33.5	0.2
Furnace Operators and Tenders	20	30.7	0.1
Pressers, Hand	190	24.4	0.7
Other Hand Workers	170	NA	0.7
Truck Drivers, Light-inc. Delivery and Route Workers	380	14.6	1.5
Drivers/Sales Workers	660	10.1	2.6
Other Transportation and Material Moving Equipment Operators	20	NA	0.1

PERSONAL SERVICES
(SIC 72)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Machine Feeders and Offbearers	510	18.4	1.9
Material Movers, Hand	80	22.6	0.3
Other Laborers	770	NA	2.9

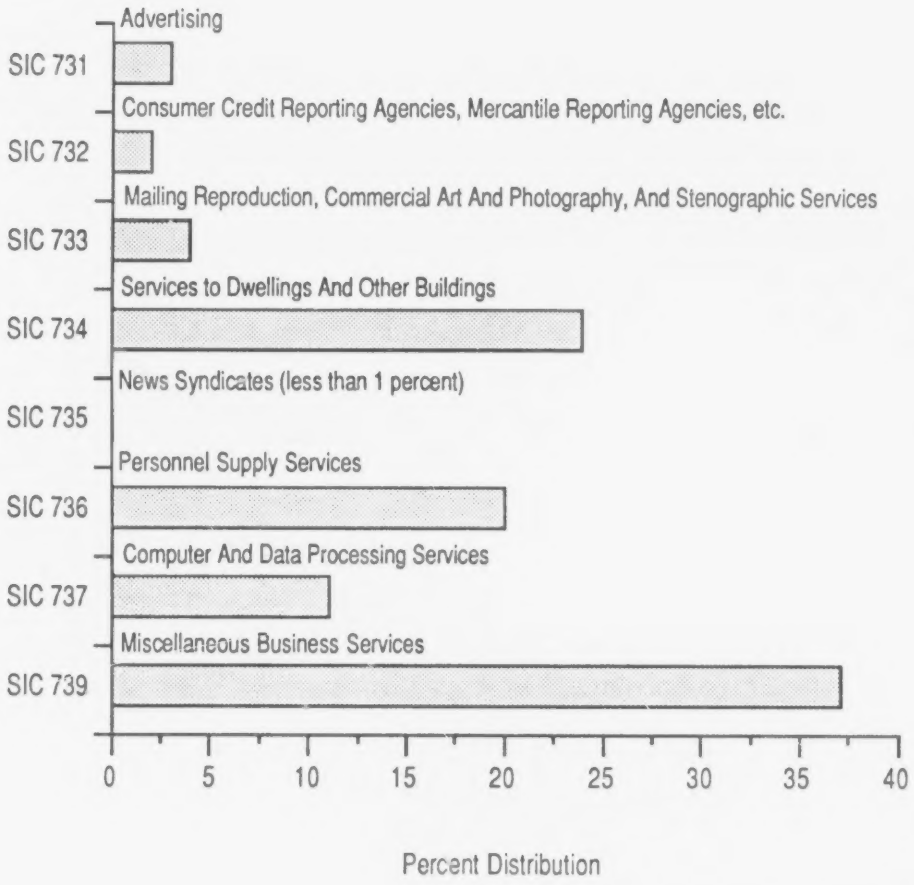
1/ Details may not add to totals because of rounding or data suppression.

Business Services
(SIC 73)

This major group includes establishments primarily engaged in rendering services, not elsewhere classified, to business establishments on a fee or contract basis, such as advertising; mailing services; building maintenance services; employment services; management and consulting services; protective services; equipment rental and leasing (except finance leasing); commercial research, development and testing; photofinishing; and personnel supply services.

The graph below shows Miscellaneous Business Services,SIC 739, contains 37 percent of the employment.

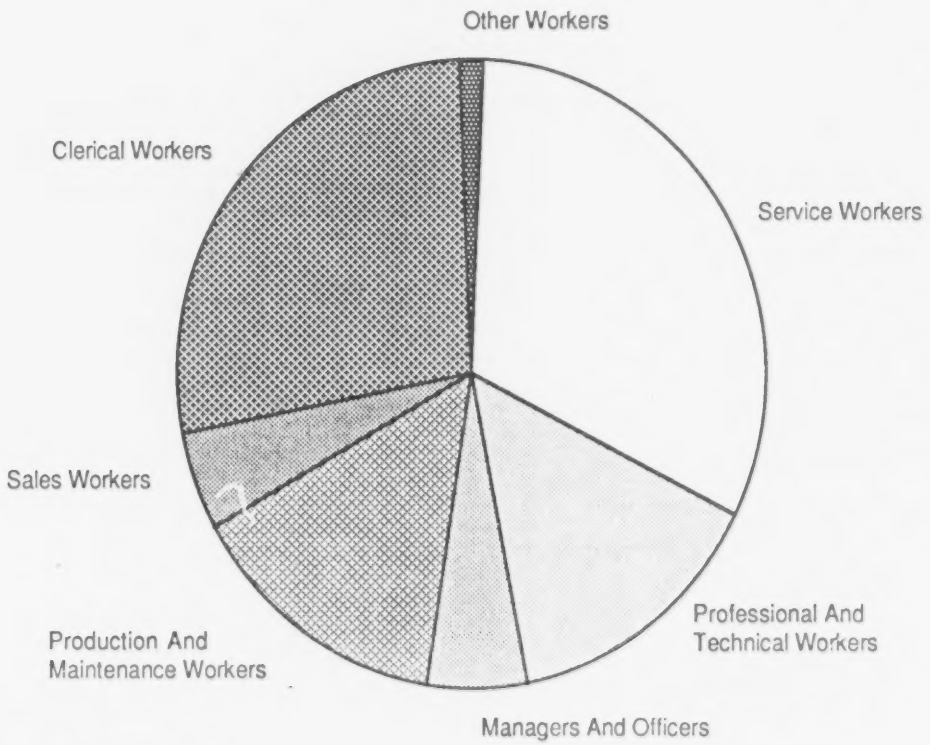
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Janitors And Cleaners	11880	15.6
Guards And Watch Guards	8040	10.6
General Office Clerks	4310	5.7
Secretaries	2570	3.4
General Managers And Top Executives	1850	2.4

Percent Distribution Of Employment By Major Occupational Category



BUSINESS SERVICES
(SIC 73)
June, 1984

Occuptaion	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	76,030	NA	100.0
Managers and Officers	4,240	NA	5.6
Financial Managers	590	10.6	0.8
Personnel and Labor Relations Managers	200	12.7	0.3
Purchasing Managers	50	19.9	0.1
Marketing, Advertising, and Public Relations Managers	580	10.9	0.8
Administrative Services Managers	300	26.0	0.4
General Managers and Top Executives	1,850	6.9	2.4
Other Managers and Administrators	670	NA	0.9
Professional and Technical Workers	10,960	NA	14.4
Credit Analysts	40	33.3	0.1
Accountants and Auditors	440	17.9	0.6
Other Financial Specialists	70	NA	0.1
Purchasing Agents and Buyers, except Farm Products	170	20.8	0.2
Employment Interviewers	990	19.6	1.3
Management Analysts	170	30.3	0.2
Other Management Support Workers	340	NA	0.4
Mechanical Engineers	120	25.8	0.2
Other Engineers	960	NA	1.3
Electrical and Electronic Engineering Technicians and Technologists	160	30.7	0.2
Mechanical Engineering Technicians and Technologists	180	26.0	0.2
Drafters	300	21.9	0.4
Other Engineering Technicians and Technologists	410	NA	0.5
Chemists	220	28.1	0.3
Other Physical Scientists	100	NA	0.1
Other Life Scientists	80	NA	0.1
Other Science Technicians and Technologists	600	NA	0.8
EDP Systems Analysts	910	24.8	1.2
Computer Programmers	1,330	16.9	1.8
Computer Programmer Aides	180	31.3	0.2
Statisticians	70	34.6	0.1
Other Mathematical Scientists	90	NA	0.1
Other Social Scientists	100	NA	0.1
Registered Nurses	320	30.7	0.4
Licensed Practical Nurses	300	31.3	0.4
Other Health Professionals and Technicians	440	NA	0.6
Writers and Editors	180	18.3	0.2
Technical Writers	90	33.6	0.1
Public Relations Specialists	70	27.2	0.1

BUSINESS SERVICES
(SIC 73)
June, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Photographers	200	22.3	0.3
Artists and Related Workers	370	14.7	0.5
Designers	300	18.7	0.4
Other Professional and Technical Workers	660	NA	0.9
Sales Workers	3,720	NA	4.9
Sales Supervisors	310	14.9	0.4
Sales Agents, Selected Business Services	980	13.6	1.3
Sales Agents, Advertising	280	15.6	0.4
Other Sales Representatives, Service	360	29.5	0.5
Sales Representatives, Scientific-except Retail	240	29.7	0.3
Sales Representatives, Nonscientific-except Retail	810	17.2	1.1
Counter and Rental Clerks	240	26.0	0.3
Cashiers	110	31.5	0.1
Other Sales and Related Workers	390	NA	0.5
Clerical Workers	21,000	NA	27.6
Clerical and Administrative Supervisors	940	8.3	1.2
Credit Checkers	310	15.8	0.4
Investigators, Clerical	70	30.1	0.1
Bill and Account Collectors	570	16.3	0.8
Proofreaders and Copy Markers	80	29.5	0.1
Secretaries	2,570	6.2	3.4
Stenographers	290	20.6	0.4
Receptionists and Information Clerks	640	8.9	0.8
Typists	1,200	9.2	1.6
Typists, Word Processing	680	13.9	0.9
Personnel Clerks	80	14.4	0.1
File Clerks	240	14.2	0.3
Order Clerks	170	18.9	0.2
Interviewing Clerks, except Personnel and Social Welfare	460	28.3	0.6
Bookkeeping, Accounting, and Auditing Clerks	1,340	14.4	1.8
Payroll and Timekeeping Clerks	140	14.4	0.2
Billing, Cost, and Rate Clerks	90	25.4	0.1
General Office Clerks	4,310	12.6	5.7
Billing, Posting, and Calculating Machine Operators	40	30.5	0.1
Duplicating Machine Operators	80	21.5	0.1
Mail Machine Operators	220	25.3	0.3
Computer Opeators	540	21.6	0.7
Data Entry Keyers	1,770	20.8	2.3
Data Keyers, Composing	220	29.7	0.3

BUSINESS SERVICES
(SIC 73)
June, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Other Office Machine Operators	220	NA	0.3
Switchboard Operators	650	20.5	0.9
Mail Clerks, except Mail Machine Operators and Postal Clerks	250	32.4	0.3
Messengers	60	23.6	0.1
Dispatchers-except Police, Fire, and Ambulance	660	16.9	0.9
Production, Planning, and Expediting Clerks	290	10.8	0.4
Stock Clerks-Stockroom or Warehouse	110	15.3	0.1
Traffic, Shipping, and Receiving Clerks	210	28.2	0.3
Other Clerical and Administrative Workers	1,500	NA	1.9
Service Workers	24,760	NA	32.6
Housekeepers	520	21.1	0.7
Other Service Supervisors	350	NA	0.5
Guards and Watch Guards	8,040	6.9	10.6
Other Protective Service Workers	400	NA	0.5
Food and Beverage Preparation Workers	70	31.7	0.1
Maids	1,230	13.1	1.6
Janitors and Cleaners	11,880	3.6	15.6
Pest Controllers and Assistants	1,160	18.5	1.5
Elevator Operators	580	24.4	0.8
Other Cleaning and Building Service Workers	410	NA	0.5
Other Service Workers	120	NA	0.2
Agriculture, Forestry, or Fishery Workers	350	NA	0.5
Gardeners and Groundskeepers	320	22.4	0.4
Other Agriculture, Forestry, or Fishery Workers	30	NA	0.1
Production and Maintenance Workers	11,000	NA	14.4
Mechanics and Repairers Supervisors	90	20.6	0.1
Other Production Supervisors	310	NA	0.4
Production Inspectors	80	25.9	0.1
Other Inspectors	130	NA	0.2
Maintenance Repairers, General Utility	580	20.6	0.8
Other Electrical and Electronic Mechanics, Installers, and Repairers	870	NA	1.1
Other Mechanics, Installers, and Repairers	310	NA	0.4
Painters and Paperhangers	220	25.9	0.3
Other Construction Trades Workers	760	NA	0.9
Precision Photographic Process Workers	60	27.3	0.1
Other Precision Workers	280	NA	0.3

BUSINESS SERVICES
(SIC 73)
June, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Printing Press Machine Operators	130	29.6	0.2
Photographic Process Machine Operators and Tenders	840	32.3	1.1
Other Machine Setters and Set-up Operators	280	NA	0.3
Other Machine Operators and Tenders	800	NA	1.1
Welders and Cutters	110	27.6	0.1
Other Hand Workers	620	NA	0.8
Truck Drivers, Light-inc. Delivery and Route Workers	530	20.2	0.7
Industrial Truck and Tractor Operators	40	15.8	0.1
Other Transportation and Material Moving Equipment Operators	560	NA	0.7
Material Movers, Hand	1,010	23.6	1.3
Hand Packers and Packagers	920	11.7	1.2
Other Laborers	1,470	NA	1.9

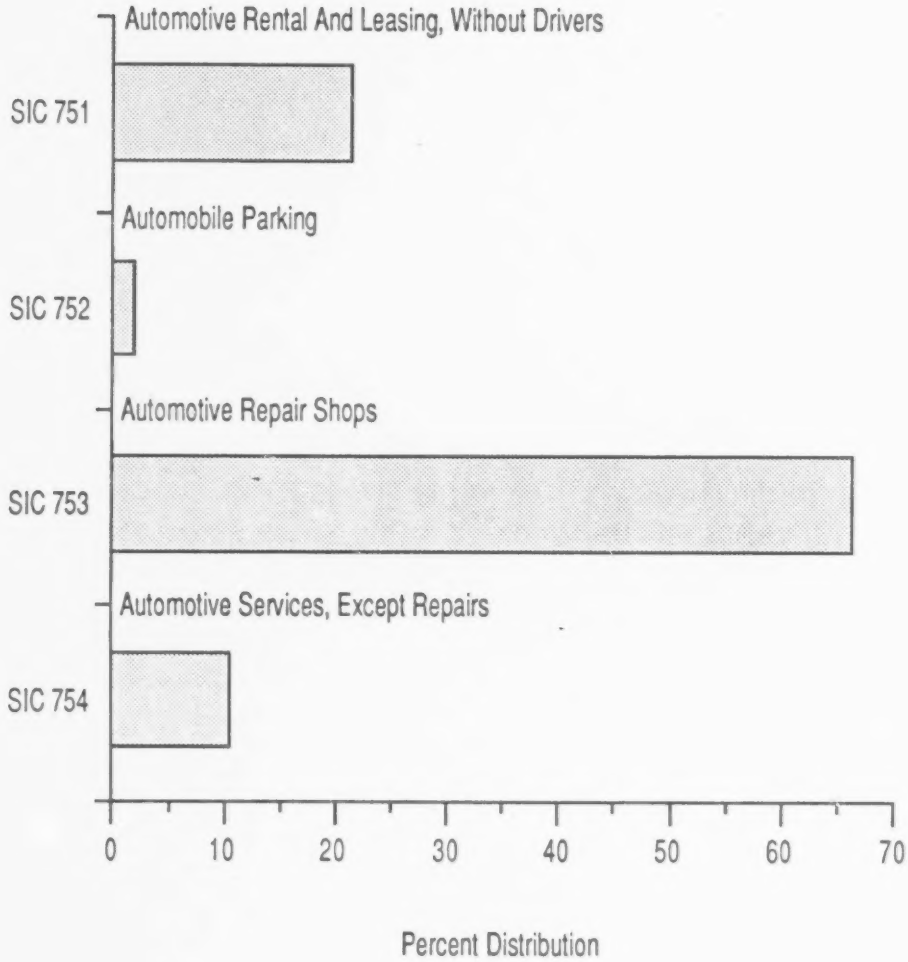
1/ Details may not add to totals because of rounding or data suppression.

Automotive Repair, Services And Garages
(SIC 75)

Establishments in this major group are primarily engaged in furnishing automotive rental and leasing, parking, repair, and washing services to the general public. Also included in this group are establishments which offer diagnostic, inspection, and towing services as well as undercoating, tire retreading, and painting.

Automotive Repair Shops, SIC 753, has two thirds of the employment in its group. Automotive Rental And Leasing, Without Drivers, SIC 751, has 21 percent of the employment.

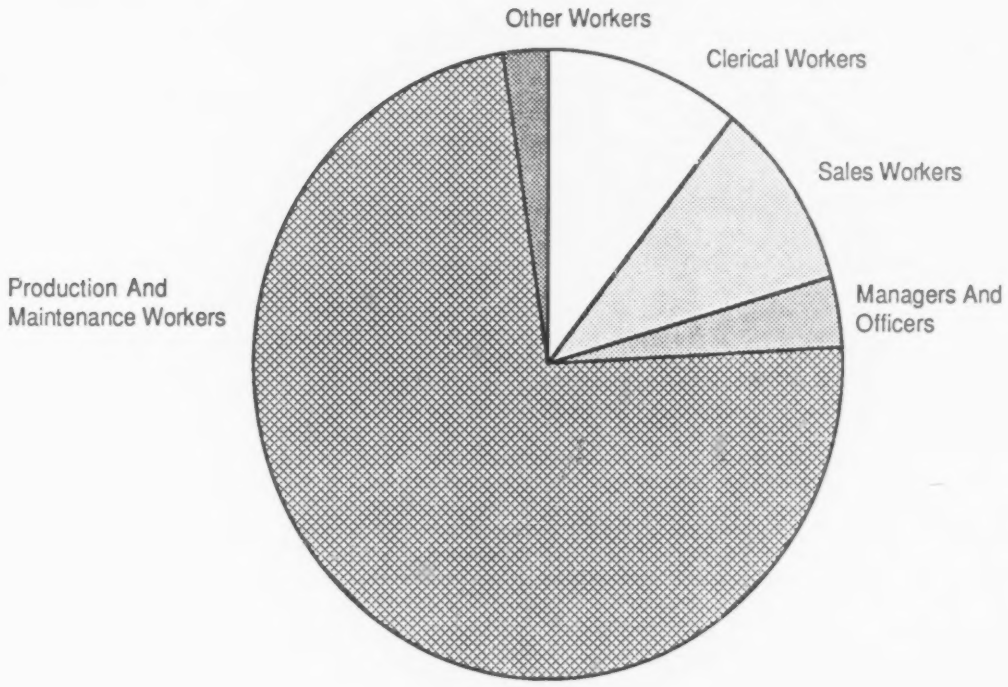
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Automotive Mechanics	2760	19.7
Automotive Body And Related Repairers	1620	11.6
Vehicle Washers And Equipment Cleaners	1180	8.4
Mechanics And Repairers Supervisors	790	5.7
Tire Repairers And Changers	640	4.5

Percent Distribution Of Employment By Major Occupational Category



AUTOMOTIVE REPAIR, SERVICES
AND GARAGES
(SIC 75)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	14,020	NA	100.0
Managers and Officers	520	NA	3.7
Financial Managers	140	15.4	1.0
General Managers and Top Executives	320	10.0	2.3
Other Managers and Administrators	60	NA	0.4
Professional and Technical Workers	90	NA	0.7
Accountants and Auditors	50	28.2	0.4
Purchasing Agents and Buyers, except Farm Products	40	27.9	0.3
Sales Workers	1,360	NA	9.7
Sales Supervisors	320	10.2	2.3
Sales Representatives, Nonscientific-except Retail	130	17.7	0.9
Salespersons, Parts	220	14.9	1.5
Counter and Rental Clerks	400	12.7	2.9
Cashiers	190	11.4	1.4
Other Sales and Related Workers	100	NA	0.7
Clerical Workers	1,520	NA	10.8
Clerical and Administrative Supervisors	30	25.2	0.2
Secretaries	340	9.1	2.4
Receptionists and Information Clerks	70	18.5	0.5
Bookkeeping, Accounting, and Auditing Clerks	510	7.7	3.6
Payroll and Timekeeping Clerks	40	22.6	0.3
General Office Clerks	400	10.1	2.9
Other Office Machine Operators	20	NA	0.1
Stock Clerks-Stockroom or Warehouse	40	21.4	0.3
Other Clerical and Administrative Workers	70	NA	0.5
Service Workers	250	NA	1.8
Janitors and Cleaners	150	18.4	1.1
Other Service Workers	100	NA	0.7
Production and Maintenance Workers	10,280	NA	73.3
Mechanics and Repairers Supervisors	790	7.2	5.7
Other Production Supervisors	30	NA	0.2
Other Inspectors	30	NA	0.2
Maintenance Repairers, General Utility	130	31.1	0.9
Automotive Mechanics	2,760	5.8	19.7
Automotive Body and Related Repairers	1,620	9.4	11.6
Bus, Truck, and Diesel Mechanics	1,110	11.2	7.9
Tire Repairers and Changers	640	12.9	4.5

AUTOMOTIVE REPAIR, SERVICES
AND GARAGES
(SIC 75)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Other Mechanics, Installers, and Repairers	260	NA	1.9
Machinists	160	32.3	1.1
Upholsterers	150	29.1	1.1
Other Machine Operators and Tenders	110	NA	0.8
Other Hand Workers	40	NA	0.3
Truck Drivers, Light-inc. Delivery and Route Workers	230	14.9	1.6
Other Motor Vehicle Operators	420	NA	2.9
Service Station Attendants	240	26.8	1.7
Other Transportation and Material Moving Equipment Operators	60	NA	0.4
Mechanic and Repairer Helpers	140	32.2	1.0
Material Movers, Hand	40	25.9	0.3
Vehicle Washers and Equipment Cleaners	1,180	5.7	8.4
Other Laborers	140	NA	1.0

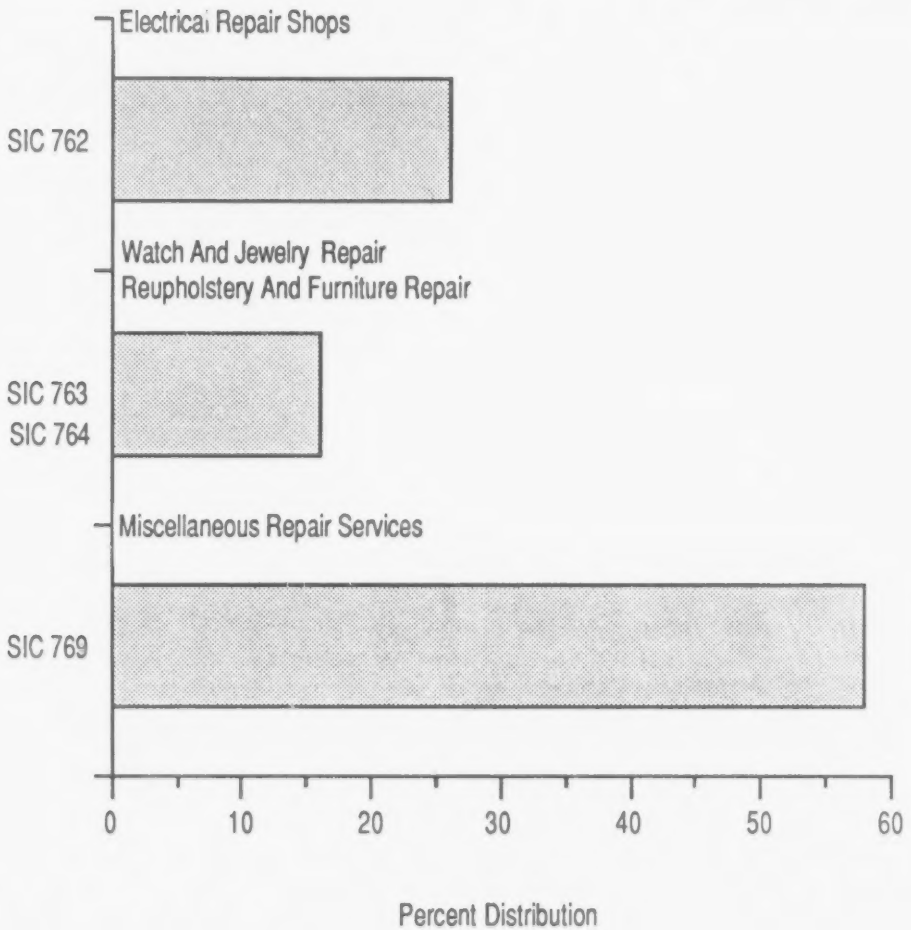
1/ Details may not add to totals because of rounding or data suppression.

Miscellaneous Repair Services
(SIC 76)

This major group includes establishments engaged in miscellaneous repair services such as refrigeration and air conditioning, watch and jewelry repair, furniture repair, and repair shops not elsewhere classified. It does not include some repair services such as automotive, clothing, or shoe repair.

Miscellaneous Repair Shops And Related Services, SIC 769, accounted for over one-half of the employment within this major group. Electrical Repair Shops had nearly 24 percent of the employment.

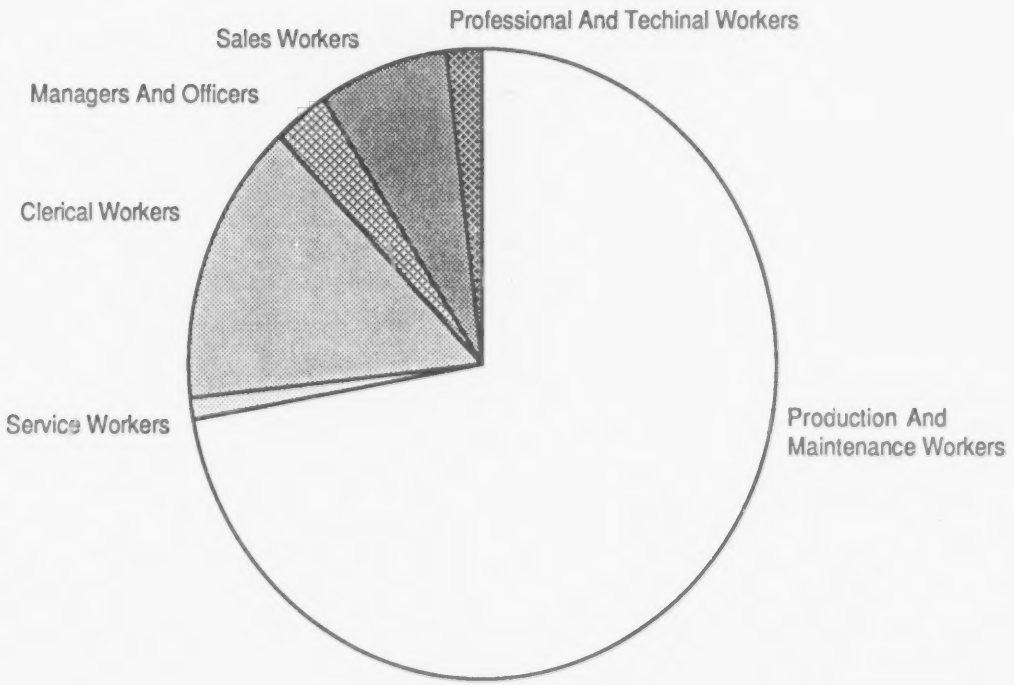
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Emplomment	Percent Of Total Employment
Electric Motor And Related Repairers	620	8.2
Welders And Cutters	460	6.0
Maintenance Repairers, General Utility	410	5.4
Upholsterers	390	5.2
Secretaries	360	4.7

Percent Distribution of Employment By Major Occupational Category



MISCELLANEOUS REPAIR SERVICES
(SIC 76)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	7,530	NA	100.0
Managers and Officers	240	NA	3.1
Financial Managers	100	12.8	1.4
General Managers and Top Executives	120	34.8	1.5
Other Managers and Administrators	20	NA	0.2
Professional and Technical Workers	150	NA	2.0
Accountants and Auditors	30	22.8	0.4
Purchasing Agents and Buyers, except Farm Products	40	18.9	0.5
Engineering Technicians and Technologists	80	19.7	1.0
Sales Workers	540	NA	7.2
Sales Supervisors	240	9.8	3.2
Sales Representatives, Nonscientific-except Retail	60	18.9	0.8
Salespersons, Retail	200	14.9	2.6
Other Sales and Related Workers	40	NA	0.5
Clerical Workers	1,080	NA	14.4
Secretaries	360	6.6	4.7
Typists	40	24.5	0.5
Bookkeeping, Accounting, and Auditing Clerks	270	6.8	3.6
Payroll and Timekeeping Clerks	20	30.2	0.2
General Office Clerks	250	8.6	3.4
Traffic, Shipping, and Receiving Clerks	100	21.5	1.3
Other Clerical and Administrative Workers	50	NA	0.7
Service Workers	80	NA	1.0
Janitors and Cleaners	40	22.8	0.5
Other Service Workers	40	NA	0.5
Production and Maintenance Workers	5,430	NA	72.1
Mechanics and Repairers Supervisors	340	8.0	4.5
Other Supervisors	20	NA	0.3
Other Machinery Maintenance Mechanics	110	NA	1.5
Maintenance Repairers, General Utility	410	13.5	5.4
Bus, Truck, and Diesel Mechanics	140	23.4	1.9
Small Engine Specialists	70	32.5	1.0
Electronic Home Entertainment Repairers	290	10.9	3.8
Electric Home Appliance and Power Tool Repairers	110	18.8	1.5
Electric Motor and Related Repairers	620	12.8	8.2

MISCELLANEOUS REPAIR SERVICES
(SIC 76)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Other Electric and Electronic Equipment Repairers	110	NA	1.5
Heating, Air Conditioning, and Refrigeration Mechanics	310	11.2	4.1
Precision Instrument Repairers	110	26.1	1.4
Other Mechanics, Installers, and Repairers	250	NA	3.3
Other Construction Trades Workers	150	NA	2.0
Machinists	290	15.4	3.8
Precision Tool Grinders and Sharpeners	210	24.4	2.8
Jewelers and Silversmiths	40	15.0	0.6
Other Precision Metal Workers	60	NA	0.8
Other Precision Woodworkers	80	NA	1.1
Upholsterers	390	14.1	5.2
Other Precision Workers	170	NA	2.3
Sewing Machine Operators, Non-Garment	130	17.2	1.8
Other Machine Setters and Set-up Operators	30	NA	0.4
Other Machine Operators and Tenders	30	NA	0.4
Welders and Cutters	460	13.8	6.0
Other Hand Workers	70	NA	0.9
Truck Drivers, Light-inc. Delivery and Route Workers	170	17.4	2.2
Other Motor Vehicle Operators	20	NA	0.3
Other Transportation and Related Workers	30	NA	0.4
Other Laborers	210	NA	2.8

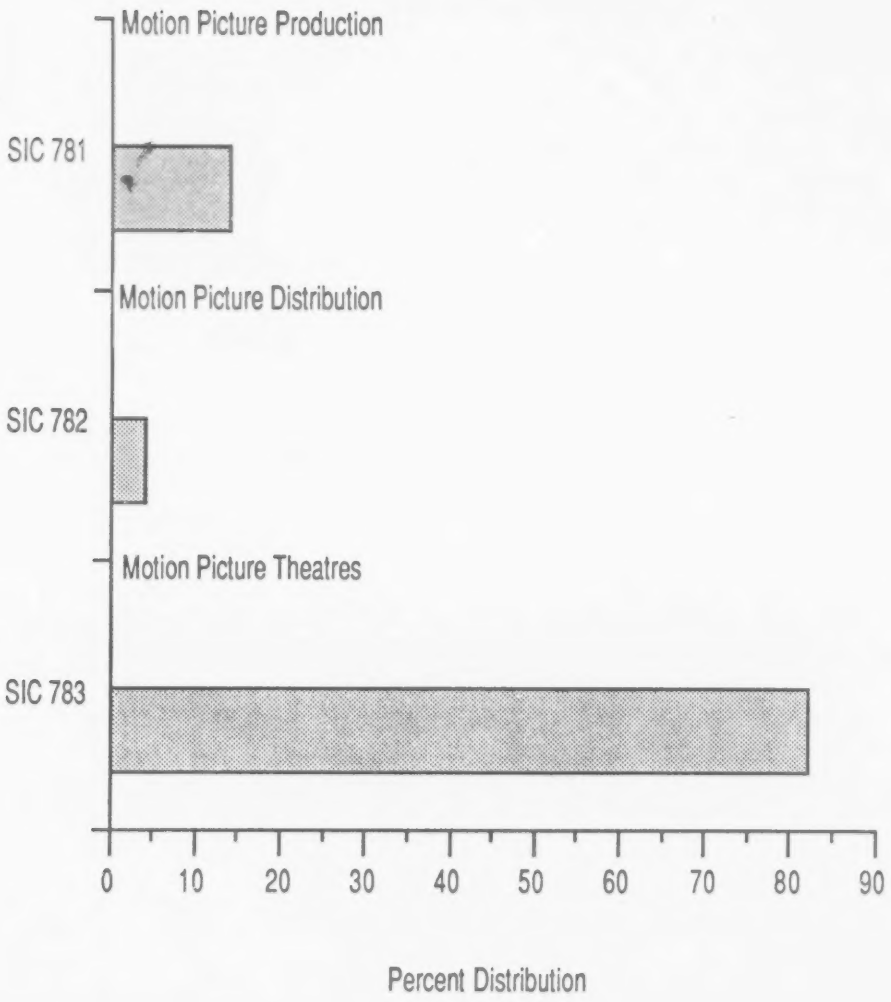
1/ Details may not add to totals because of rounding or data suppression.

Motion Pictures
(SIC 78)

This group includes the production and distribution of motion pictures, the showing of motion pictures in commercially operated theatres, and those establishments that furnish services to the motion picture industry. Also included are the productions for television or other media using film, tape, or other means.

Motion Picture Theatres, SIC 783, obviously accounts for the largest employment within this major group at 82 percent of the total. However, Motion Picture Production has shown a significant increase in North Carolina since last surveyed.

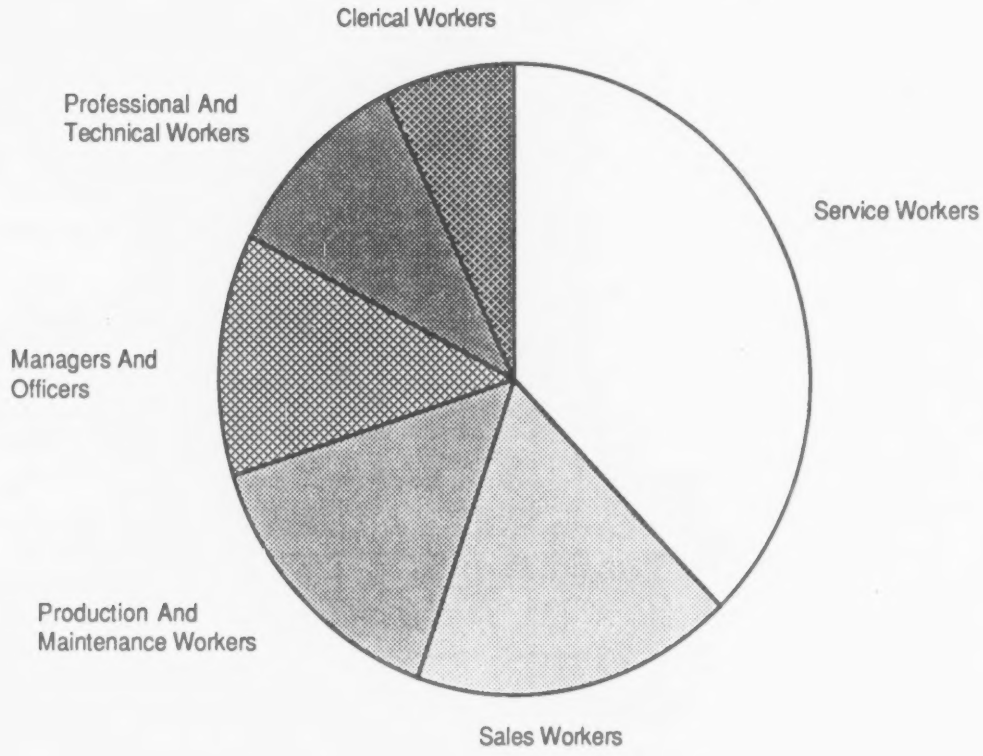
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Ushers And Ticket Takers	670	11.2
Cashiers	550	16.6
Projectionists	430	13.1
Counter Attendants, Food	200	6.2
Janitors And Cleaners	130	4.0

Percent Distribution Of Employment By Major Occupational Category



MOTION PICTURES
(SIC 78)
June, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	3,280	NA	100.0
Managers and Officers	410	NA	12.5
Administrative Service Managers	120	18.1	3.6
General Managers and Top Executives	50	27.9	1.5
Other Managers and Administrators	240	NA	7.3
Professional and Technical Workers	340	NA	10.4
Other Management Support Workers	50	NA	1.5
Other Professional and Technical Workers	290	NA	8.8
Sales Workers	570	NA	17.4
Cashiers	550	12.2	16.6
Other Sales Workers	20	NA	0.6
Clerical Workers	240	NA	7.3
Secretaries	100	22.0	3.1
Bookkeeping, Accounting, and Auditing Clerks	60	25.5	1.8
Other Clerical and Administrative Workers	80	NA	2.4
Service Workers	1,240	NA	37.8
Counter Attendants, Food	200	26.5	6.2
Other Food Service Workers	210	25.9	6.4
Janitors and Cleaners	130	15.9	4.0
Ushers and Ticket Takers	670	11.2	20.5
Other Service Workers	30	NA	0.8
Production and Maintenance Workers	480	NA	14.6
Other Precision Workers	50	NA	1.5
Motion Picture Projectionists	430	10.2	13.2

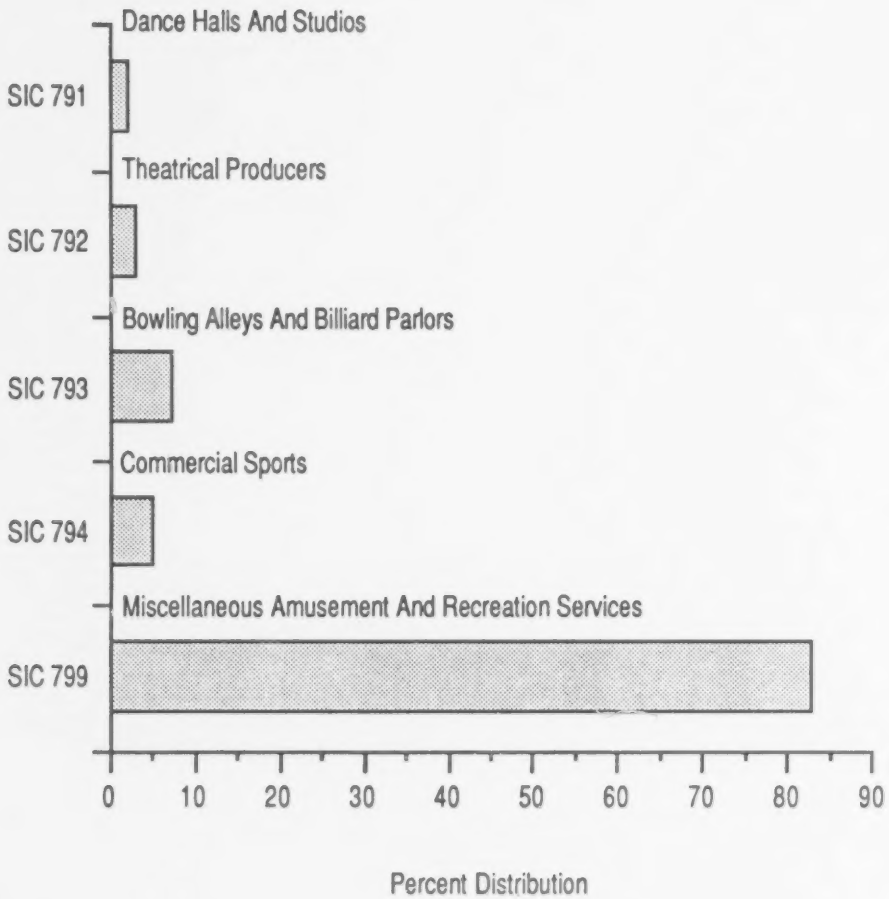
1/ Details may not add to total because of rounding or data suppression.

Amusement And Recreation Services, Except Motion Pictures (SIC 79)

Establishments in this group are engaged in providing amusement or entertainment on payment of a fee or admission charge. Dance halls and schools, entertainers, bowling alleys, billiard parlors, sports clubs, racing operations, golf courses, and amusement parks are included in this group.

The Miscellaneous Amusement and Recreation Services has 83 percent of the employment within this major group. Not suprisingly, this SIC contains golf courses and a large variety of amusement services not elsewhere classified.

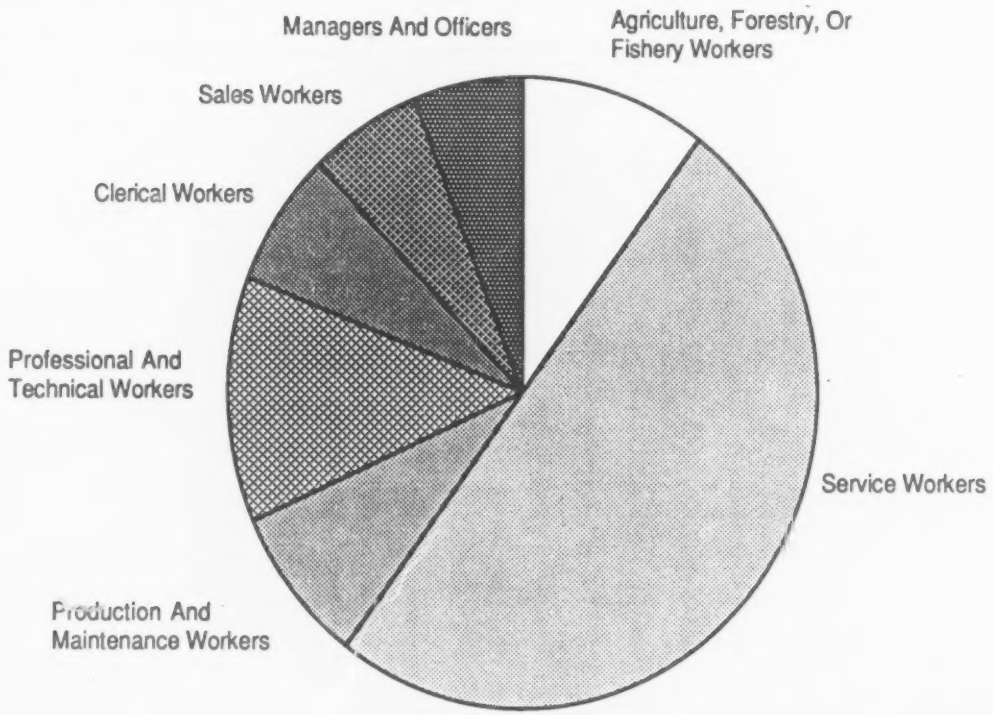
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Amusement And Recreation Attendants	3190	19.1
Gardeners And Groundskeepers	1680	10.1
Waiters And Waitresses	1440	8.6
Food Preparation Workers	780	4.7
Cashiers	750	4.5

Percent Distribution Of Employment By Major Occupational Category



AMUSEMENT AND RECREATION SERVICES, EXCEPT
MOTION PICTURES
(SIC 79)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	16,630	NA	100.0
Managers and Officers	1,040	NA	6.2
Financial Managers	210	12.0	1.3
Marketing, Advertising, and Public Relations Managers	70	14.3	0.4
Food Service and Lodging Managers	200	15.9	1.2
General Managers and Top Executives	460	7.7	2.7
Other Managers and Administrators	100	NA	0.6
Professional and Technical Workers	2,100	NA	12.6
Accountants and Auditors	40	20.1	0.2
Other Management Support Workers	40	NA	0.2
Electrical and Electronic Technicians	50	28.6	0.3
Recreation Workers	410	20.4	2.5
Instructors, Nonvocational Education	350	12.8	2.1
Instructors and Coaches, Sports and Physical Training	420	13.0	2.6
Public Relations Specialists	40	24.4	0.2
Announcers, Radio and Television	20	34.2	0.1
Musical Directors, Singers, and Related Workers	90	17.0	0.5
Musicians, Instrumental	160	16.1	1.0
Dancers and Choreagraphers	80	15.6	0.5
Producers, Directors, Actors, and Entertainers	110	15.8	0.7
Athletes, Coaches, and Umpires	200	15.2	1.2
Other Professional and Technical Workers	90	NA	0.5
Sales Workers	1,000	NA	6.0
Sales Supervisors	20	26.8	0.1
Counter and Rental Clerks	60	20.7	0.4
Cashiers	750	10.3	4.5
Other Sales Workers	170	NA	1.0
Clerical Workers	1,160	NA	7.0
Clerical and Administrative Supervisors	50	11.1	0.3
Secretaries	280	9.0	1.7
Receptionists and Information Clerks	170	27.1	1.0
Typists	20	20.1	0.1
Bookkeeping, Accounting, and Auditing Clerks	280	8.2	1.7
Payroll and Timekeeping Clerks	70	15.7	0.4
General Office Clerks	190	13.6	1.1
Switchboard Operators	20	20.3	0.1
Stock Clerks-Stockroom or Warehouse	20	30.9	0.1

AMUSEMENT AND RECREATION SERVICES, EXCEPT
MOTION PICTURES
(SIC 79)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Other Clerical and Administrative Workers	60	NA	0.4
Service Workers	8,300	NA	49.9
Housekeepers	50	18.6	0.3
Other Service Supervisors	130	NA	0.8
Guards and Watch Guards	340	14.7	2.0
Other Protective Service Workers	30	NA	0.2
Hosts and Hostesses	50	12.2	0.3
Bartenders	290	6.6	1.7
Waiters and Waitresses	1,440	7.0	8.6
Dining Room and Cafeteria Attendants	210	12.2	1.3
Counter Attendants, Food Service	160	18.1	1.0
Cooks, Restaurant	340	7.2	2.0
Cooks, Specialty Fast Food	260	15.8	1.6
Cooks, Short Order	110	12.3	0.6
Food Preparation Workers	780	8.6	4.7
Combination Food Preparation and Service Workers	50	25.9	0.3
Other Food Service Workers	50	NA	0.3
Maids	180	13.9	1.1
Janitors and Cleaners	270	8.6	1.6
Other Cleaning and Building Service Workers	30	NA	0.2
Amusement and Recreation Attendants	3,190	6.4	19.1
Ushers and Ticket Takers	100	10.6	0.6
Wardrobe, Locker, and Dressing Room Attendants	30	31.8	0.2
Child Care Workers	60	14.6	0.4
Other Service Workers	150	NA	0.9
Agriculture, Forestry, or Fishery Workers	1,710	NA	10.3
Gardeners and Groundskeepers	1,680	6.3	10.1
Other Agriculture, Forestry, or Fishery Workers	30	NA	0.2
Production and Maintenance Workers	1,320	NA	8.0
Other Supervisors	50	NA	0.3
Maintenance Repairs, General Utility	540	9.8	3.2
Small Engine Specialists	20	19.8	0.2
Other Mechanics, Installers, and Repairers	320	NA	1.9
Carpenters	60	26.2	0.4
Other Construction Trades Workers	50	NA	0.3
Other Hand Workers	20	NA	0.1
Other Motor Vehicle Operators	60	NA	0.4

AMUSEMENT AND RECREATION SERVICES, EXCEPT
MOTION PICTURES
(SIC 79)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Other Transportation and Related Workers	30	NA	0.2
Other Laborers	170	NA	1.0

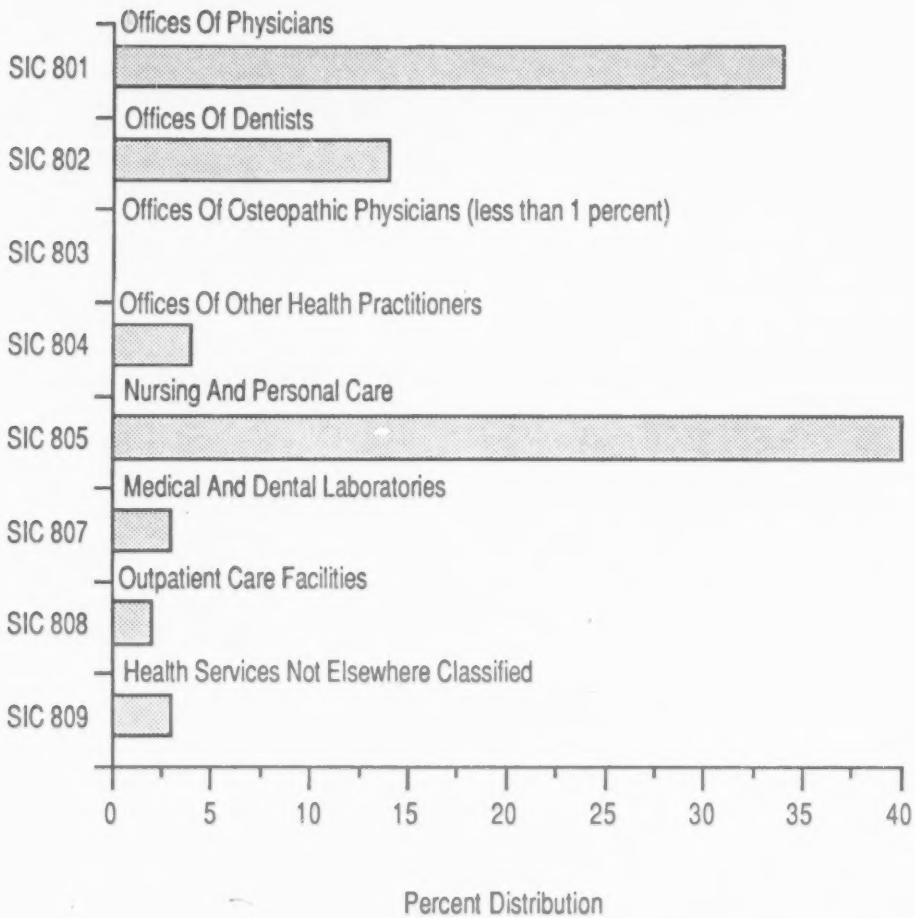
1/ Details may not add to total because of rounding or data suppression.

Health Services
(SIC 80, except 806)

This major grouping includes those establishments primarily engaged in furnishing medical, surgical, and other health services to the general population. Associations primarily engaged in providing health services to members are included, but those which limit services to the provision of insurance against medical costs are classified elsewhere. Hospitals, SIC 806, were not surveyed this year, but were included in the 1983 OES survey of manufacturing.

Nursing and Personal Care, SIC 805, was the largest 3-digit component of this major grouping with nearly 40 percent of the employment. Offices of Physicians, SIC 801, contained 34 percent of the employment; however, Offices of Osteopathic Physicians, SIC 803, was the lowest with less than 1 percent of the employment.

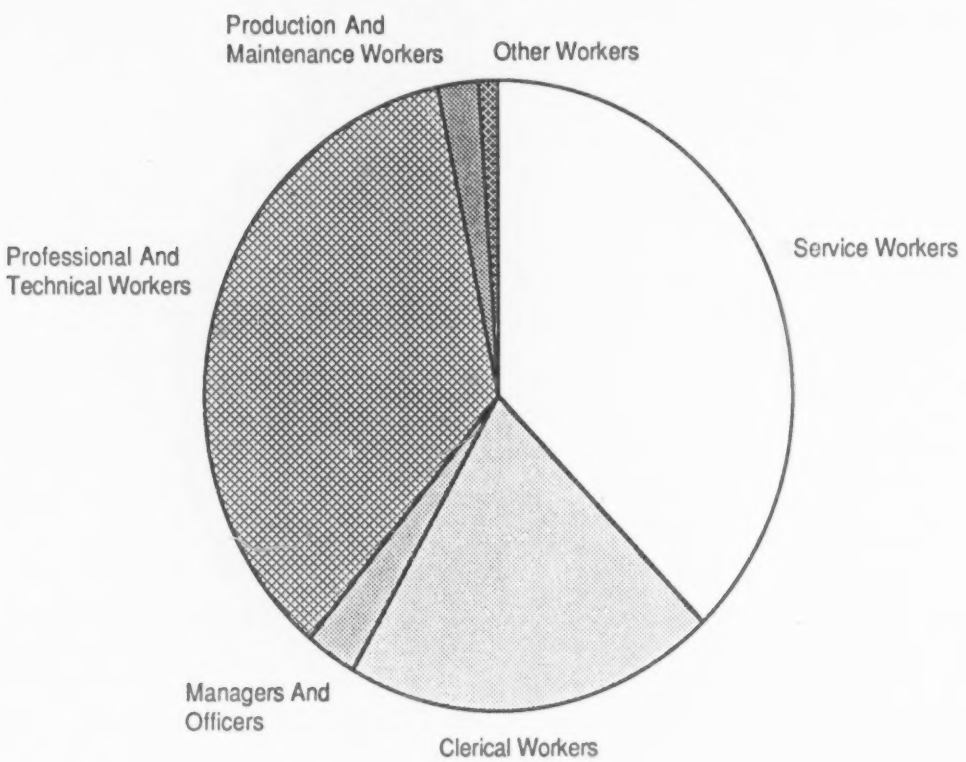
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Nurse Aides And Orderlies	11620	19.0
Registered Nurses	4520	7.4
Physicians And Surgeons	4470	7.3
Liscensed Practical Nurses	4060	6.6
Dental Assistsants	3240	5.3

Percent Distribution Of Employment By Major Occupational Category



HEALTH SERVICES
(SIC 80, except 806)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	61,170	NA	100.0
Managers and Officers	1,800	NA	2.9
Financial Managers	420	21.5	0.7
Personnel and Labor Relations Managers	60	26.6	0.1
Administrative Service Managers	110	23.4	0.2
Medical and Health Services Managers	550	15.9	0.9
Food Service and Lodging Managers	100	20.9	0.2
General Managers and Top Executives	450	25.4	0.7
Other Managers and Administrators	110	NA	0.2
Professional and Technical Workers	21,850	NA	35.7
Other Financial Specialists	80	NA	0.2
Other Management Support Workers	40	NA	0.1
Social Workers, Medical and Psychiatric	470	31.1	0.8
Physicians and Surgeons	4,470	7.9	7.3
Dentists	1,270	7.4	2.1
Optometrists	370	14.8	0.1
Podiatrists	40	25.9	0.1
Other Health Practitioners	90	NA	0.2
Physical Therapists	440	16.2	0.7
Speech Pathologists and Audiologists	100	33.3	0.2
Recreational Therapists	240	14.3	0.4
Registered Nurses	4,520	8.2	7.4
Licensed Practical Nurses	4,060	8.1	6.6
Physicians Assistants	470	26.6	0.8
Opticians	250	25.3	0.4
Dieticians and Nutritionists	60	26.4	0.1
Medical Laboratory Technologists	680	17.9	1.1
Medical Laboratory Technicians	570	19.7	0.9
Dental Hygenists	1,600	10.0	2.6
Medical Records Technicians	120	30.1	0.2
Radiologic Technicians	480	34.5	0.8
Other Health Professionals and Technicians	690	NA	1.1
Other Professional and Technical Workers	740	NA	1.2
Sales Workers	260	NA	0.4
Clerical Workers	12,600	NA	20.6
Clerical and Administrative Supervisors	320	17.7	0.5
Medical Secretaries	3,060	11.9	5.0
Other Secretaries	1,620	NA	2.6
Receptionists and Information Clerks	3,220	8.0	5.3

HEALTH SERVICES
(SIC 80, except 806)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Typists	510	22.7	0.8
Typists, Word Processing	30	25.5	0.1
File Clerks	340	23.0	0.6
Bookkeeping, Accounting, and Auditing Clerks	1,070	13.4	1.8
Billing, Cost, and Rate Clerks	130	29.2	0.2
General Office Clerks	1,450	17.3	2.4
Computer Operators	40	22.0	0.1
Data Entry Keyers	70	1.5	0.1
Switchboard Operators	110	29.2	0.2
Other Clerical and Administrative Workers	630	NA	1.0
Service Workers	23,120	NA	37.8
Housekeepers	590	25.2	1.0
Other Service Supervisors	50	NA	0.1
Cooks, Institution or Cafeteria	860	11.6	1.4
Food Preparation Workers	1,260	14.4	2.1
Other Food Service Workers	560	NA	0.9
Dental Assistants	3,240	6.5	5.3
Medical Assistants	1,900	15.6	3.1
Nurse Aides and Orderlies	11,620	3.4	19.0
Home Health Aides	120	27.0	0.2
Physical Therapy Assistants	230	16.0	0.4
Other Health Service Workers	220	NA	0.4
Maids	1,660	10.6	2.7
Janitors and Cleaners	650	17.6	1.1
Hairdressers and Cosmetologists	40	33.4	0.1
Other Service Workers	120	NA	0.1
Agriculture, Forestry, and Fishery Workers	90	NA	0.2
Gardeners and Groundskeepers	50	30.3	0.1
Other Agriculture, Forestry, and Fishery Workers	40	NA	0.1
Production and Maintenance Workers	1,430	NA	2.3
Maintenance Repairers, General Utility	240	21.9	0.4
Other Mechanics, Repairers, and Installers	50	NA	0.1
Precision Dental Laboratory Technicians	830	12.6	1.4
Laundry and Dry Cleaning Machine Operators	260	28.9	0.4
Other Transportation and Related Workers	50	NA	0.1

1/ Details may not add to total because of rounding or data suppression.

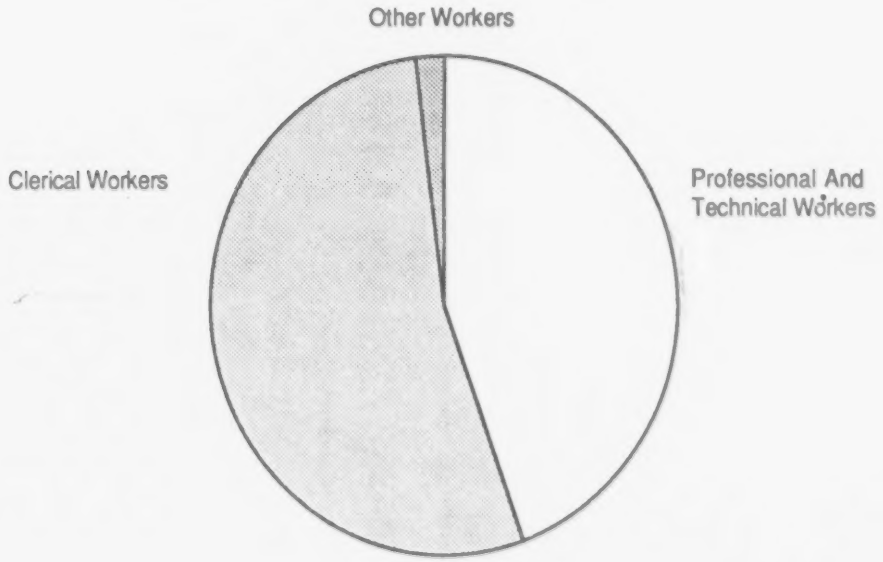
Legal Services
(SIC 81)

This major group includes those establishments offering legal advice or legal services. The head or heads of these establishments are members of the bar. Legal Services has only one three-digit division, SIC 811.

The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Legal Secretaries	3290	37.1
Lawyers	3050	34.4
Paralegal Personnel	560	6.3
Bookkeeping, Accounting, And Auditing Clerks	300	3.4
Receptionists And Information Clerks	290	3.3

Percent Distribution Of Employment By Major Occupational Category



LEGAL SERVICES
(SIC 81)
May, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	8,870	NA	100.0
Managers and Officers	50	NA	0.6
Professional and Technical Workers	3,940	NA	44.4
Other Management Support Workers	40	NA	0.5
Lawyers	3,050	4.1	34.4
Law Clerks	130	24.5	1.5
Paralegal Personnel	560	10.2	6.3
Title Searchers	80	30.8	0.9
Other Legal Assistants and Technicians, except Clerical	30	NA	0.3
Librarians, Professional	20	20.8	0.2
Other Professional and Technical Workers	30	NA	0.3
Clerical Workers	4,750	NA	53.6
Legal Secretaries	3,290	4.2	37.1
Receptionists and Information Clerks	290	13.0	3.3
Typists, Word Processing	260	14.2	2.9
Bookkeeping, Accounting, and Auditing Clerks	300	12.8	3.4
General Office Clerks	90	27.1	1.0
Other Office Machine Operators	40	NA	0.5
Switchboard Operators	50	28.3	0.6
Mail Clerks, except Mail Machine Operators and Postal Service	20	29.5	0.2
Messengers	40	34.8	0.5
Other Clerical and Administrative Workers	370	NA	4.2
Service Workers	130	NA	1.4
Janitors and Cleaners	130	25.8	1.4

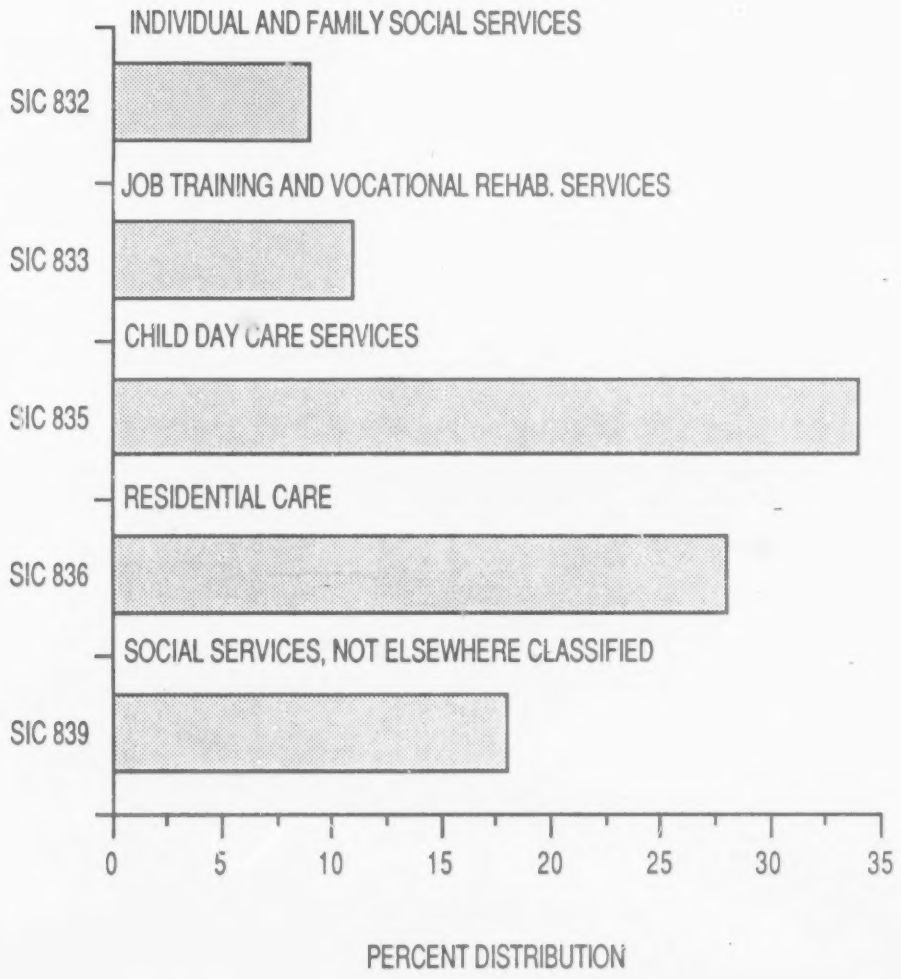
1/ Details may not add to totals because of rounding or data suppression.

Social Services
(SIC 83)

This major group includes establishments providing social and rehabilitation services to those persons with social or personal problems requiring special services and to the handicapped and disadvantaged. Also included are organizations soliciting funds to be used directly for these services.

Continuous growth of day care services for children makes this SIC the largest component of this major group with 34 percent of the total. Residential Care,SIC 836, where medical care is not a major element, is next with nearly 28 percent of the total employment.

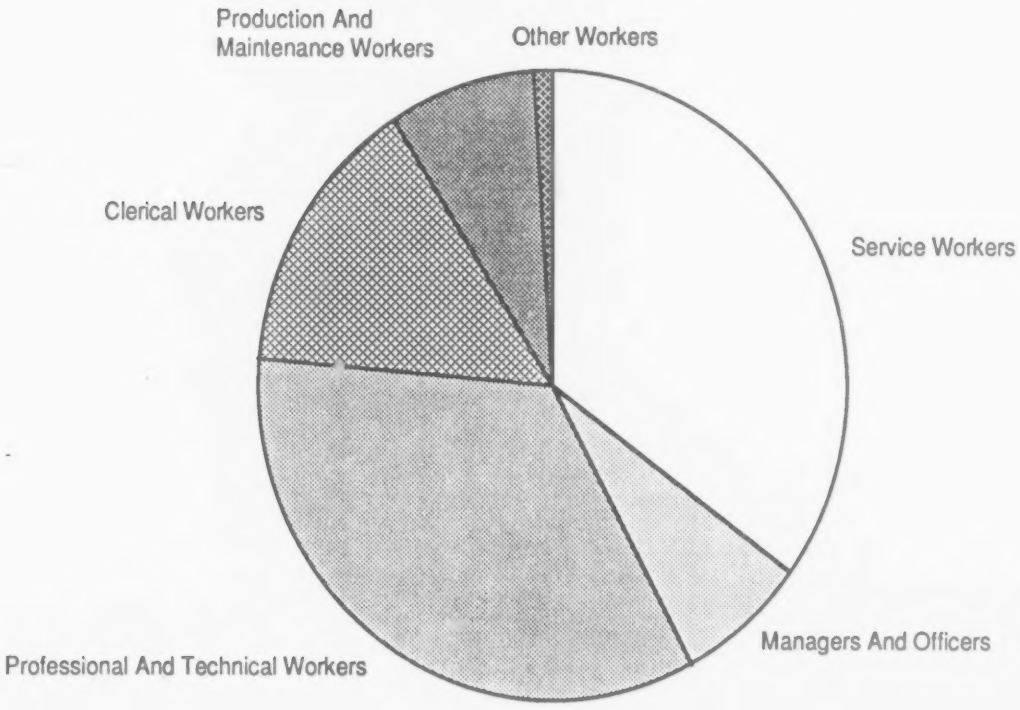
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Child Care Workers	3810	17.2
Teachers, Preschool And Kindergarten	2800	12.6
Nurse Aides And Orderlies	1300	5.9
Teacher Aides And Educational Assistants	1140	5.1
Social Workers, except Medical And Psychiatric	940	4.3

Percent Distribution Of Employment By Major Occupational Category



SOCIAL SERVICES
(SIC 83)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	22,120	NA	100.0
Managers and Officers	1,620	NA	7.3
Financial Managers	340	9.2	1.5
Personnel and Labor Relations Managers	20	15.9	0.1
Marketing, Advertising, and Public Relations Managers	20	18.4	0.1
Administrative Services Managers	100	15.0	0.5
Educational Administrators	90	9.2	0.4
Medical and Health Services Managers	170	13.5	0.8
Food Service and Lodging Managers	150	17.1	0.7
General Managers and Top Executives	590	8.2	2.6
Other Managers and Administrators	140	NA	0.6
Professional and Technical Workers	7,530	NA	34.1
Accountants and Auditors	90	16.5	0.4
Budget Analysts	20	24.7	0.1
Purchasing Agents and Buyers, except Farm Products	20	27.0	0.1
Employment Interviewers	30	22.5	0.1
Personnel and Labor Relations Specialists	70	14.3	0.3
Other Management Support Workers	90	NA	0.4
Psychologists	60	23.1	0.3
Social Workers, Medical and Psychiatric	520	16.3	2.4
Social Workers, except Medical and Psychiatric	940	8.9	4.3
Social Services Technicians	430	14.3	2.0
Recreation Workers	250	27.5	1.1
Other Religious Workers	20	NA	0.1
Teachers, Preschool and Kindergarten	2,800	9.6	12.6
Teachers, Elementary School	90	28.2	0.4
Teachers and Instructors, Vocational Education	340	18.3	1.5
Instructors, Nonvocational Education	260	27.8	1.2
Other Teachers and Related Workers	130	NA	0.6
Vocational and Educational Counselors	180	12.8	0.8
Instructional Coordinators	20	27.6	0.1
Physicians and Surgeons	40	27.1	0.2
Occupational Therapists	60	34.8	0.3
Physical Therapists	30	31.9	0.1
Recreational Therapists	20	21.2	0.1
Other Therapists	40	NA	0.2
Registered Nurses	320	9.8	1.4
Licensed Practical Nurses	200	18.1	0.9
Dieticians and Nutritionists	30	21.4	0.2

SOCIAL SERVICES
(SIC 83)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Dietetic Technicians	20	29.0	0.1
Other Health Professionals and Technicians	150	NA	0.7
Public Relations Specialists	130	34.9	0.6
Other Professional and Technical Workers	130	NA	0.6
Sales Workers	120	NA	0.5
Sales Supervisors	30	29.0	0.1
Cashiers	40	20.9	0.2
Other Sales Workers	50	NA	0.2
Clerical Workers	3,180	NA	14.4
CLerical and Administrative Supervisors	40	19.9	0.2
Welfare Eligibility Workers	40	13.3	0.2
Teacher Aides and Educational Assistants	1,140	11.2	5.1
Secretaries	770	5.7	3.5
Receptionists and Information Clerks	210	9.2	0.9
Typists	100	11.6	0.5
Bookkeeping, Accounting, and Auditing Clerks	350	7.6	1.6
Payroll and Timekeeping Clerks	60	18.0	0.3
General Office Clerks	270	10.3	1.2
Other Office Machine Operators	40	NA	0.2
Switchboard Operators	20	12.5	0.1
Stock Clerks-Stockroom or Warehouse	20	7.7	0.1
Other Clerical and Administrative Workers	120	NA	0.5
Service Workers	7,770	NA	35.1
Housekeepers	140	17.3	0.6
Other Service Supervisors	50	NA	0.2
Guards and Watch Guards	30	21.4	0.1
Waiters and Waitresses	120	35.0	0.5
Dining Room and Cafeteria Attendants	20	34.4	0.1
Cooks, Institution or Cafeteria	850	6.3	3.8
Food Preparation Workers	370	12.1	1.7
Other Food Service Workers	40	NA	0.2
Nurse Aides and Orderlies	1,300	13.1	5.9
Home Health Aides	260	20.4	1.2
Other Health Service Workers	60	NA	0.3
Maids	320	18.7	1.5
Janitors and Cleaners	280	10.4	1.2
Amusements and Recreation Attendants	30	7.8	0.1
Social Welfare Service Aides	30	17.4	0.1
Child Care Workers	3,810	8.9	17.2

SOCIAL SERVICES
(SIC 83)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Other Service Workers	60	NA	0.3
Agriculture, Forestry, and Fishery Workers	130	NA	0.6
Gardeners and Groundskeepers	90	23.9	0.4
Other Agriculture, Forestry, and Fishery Workers	40	NA	0.2
Production and Maintenance Workers	1,770	NA	8.0
Mechanics and Repairers Supervisors	190	18.1	0.8
Other Supervisors	80	NA	0.4
Maintenance Repairs, General Utility	170	16.1	0.8
Other Mechanics, Installers, and Repairers	30	NA	0.1
Carpenters	190	10.9	0.9
Painters and Paperhangers	20	21.3	0.1
Other Construction Trades Workers	20	NA	0.1
Laundry and Drycleaning Machine Operators	20	34.2	0.1
Other Machine Operators and Tenders	30	NA	0.1
Hand Workers, inc. Assemblers and Fabricators	390	16.6	1.8
Truck Drivers, Light-inc. Delivery and Route Workers	100	14.8	0.4
Bus Drivers	150	15.6	0.7
Bus Drivers, School	120	16.2	0.5
Other Motor Vehicle Operators	110	13.4	0.5
Material Movers, Hand	100	30.7	0.5
Other Laborers	50	NA	0.2

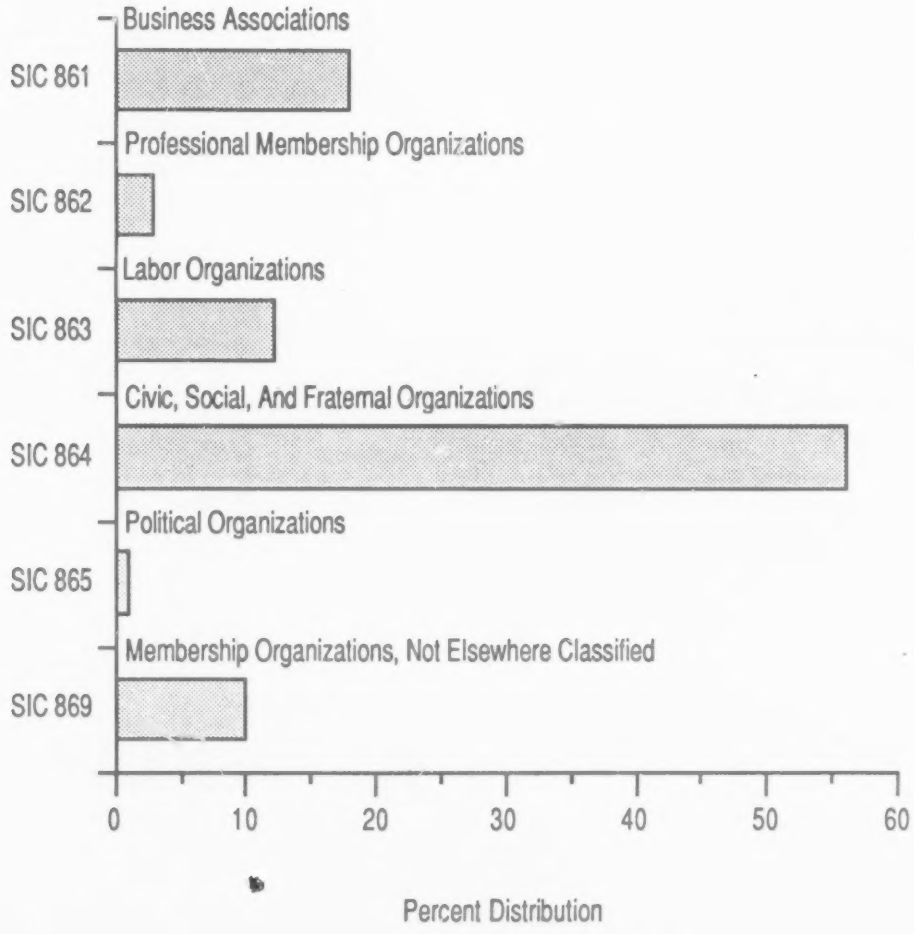
1/ Details may not add to total because of rounding or data supperssion.

Membership Organizations
(SIC 86,Except 866)

This major group includes organizations operating on a membership basis for the promotion of the interests of the members. Included are trade associations, professional membership organizations, labor unions, and political organizations.

As the graph below illustrates, Civic, Social, and Fraternal Associations, SIC 864, accounts for 54 percent of the total employment of this major group. Business Associations,SIC 861, account for nearly 18 percent of this total. Employment in Political Organizations, although very small, will fluctuate according to election year activities.

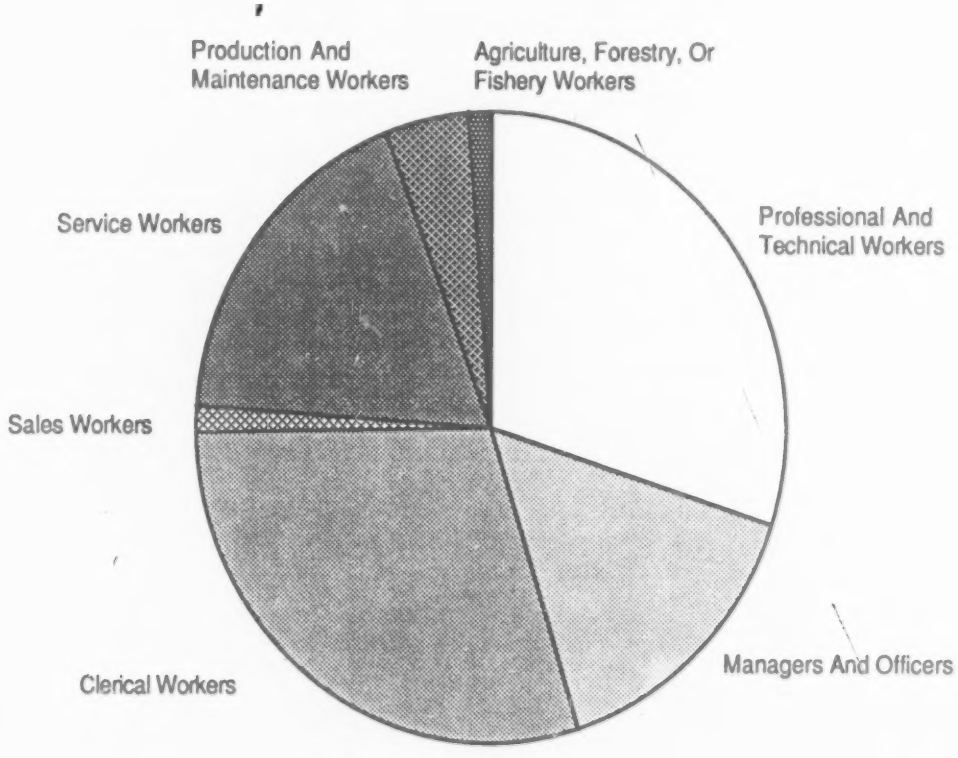
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Secretaries	730	9.4
Personnel And Labor Relations Specialists	660	8.4
General Managers And Top Executives	580	7.4
Recreation Workers	450	5.7
General Office Clerks	440	5.6

Percent Distribution Of Employment By Major Occupational Category



MEMBERSHIP ORGANIZATIONS
(SIC 86, except 866)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	7,770	NA	100.0
Managers and Officers	1,180	NA	15.2
Financial Managers	200	11.4	2.6
Administrative Services Managers	40	24.4	0.5
Food Service and Lodging Managers	20	35.0	0.3
General Managers and Top Executives	580	9.3	7.5
Other Managers and Administrators	340	NA	4.4
Professional and Technical Workers	2,330	NA	30.0
Accountants and Auditors	80	13.4	1.0
Personnel and Labor Relations Specialists	660	8.3	8.4
Other Management Support Workers	70	NA	0.9
Engineering Technicians and Technologists	20	25.7	0.3
Social Workers, except Medical and Psychiatric	90	13.7	1.2
Recreation Workers	450	17.6	5.8
Instructors, Nonvocational Education	70	31.2	0.9
Instructors and Coaches, Sports and Physical Training	400	18.0	5.1
Other Teachers and Related Workers	90	NA	1.1
Writers and Editors	40	22.3	0.5
Public Relations Specialists	120	20.0	1.5
Other Professional and Technical Workers	240	NA	3.1
Sales Workers	110	NA	1.4
Cashiers	30	27.0	0.4
Other Sales and Related Workers	80	NA	1.0
Clerical Workers	2,290	NA	29.5
Clerical and Administrative Supervisors	40	17.2	0.5
Secretaries	730	6.1	9.4
Stenographers	20	21.6	0.3
Receptionists and Information Clerks	260	9.9	3.3
Typists	60	21.7	0.8
Typists, Word Processing	60	19.2	0.8
File Clerks	20	34.7	0.3
Bookkeeping, Accounting, and Auditing Clerks	320	6.9	4.1
Payroll and Timekeeping Clerks	20	23.1	0.3
General Office Clerks	440	12.4	5.7
Mail Machine Operators	20	22.3	0.3
Computer Operators	20	27.1	0.3
Data Entry Keyers	30	27.6	0.4
Switchboard Operators	40	18.5	0.5
Other Clerical and Administrative Workers	210	NA	2.7

MEMBERSHIP ORGANIZATIONS
(SIC 86, except 866)
April, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Service Workers	1,410	NA	18.1
Other Service Supervisors	30	NA	0.4
Guards and Watch Guards	100	20.7	1.3
Bartenders	180	20.1	2.3
Waiters and Waitresses	190	17.6	2.4
Cooks, Restaurant	60	20.2	0.8
Cooks, Institution or Cafeteria	30	26.2	0.4
Food Preparation Workers	120	17.6	1.5
Other Food Service Workers	80	NA	1.0
Maids	70	21.8	0.9
Janitors and Cleaners	330	11.0	4.2
Amusement and Recreation Attendants	60	23.2	0.8
Child Care Workers	60	22.0	0.8
Other Service Workers	100	NA	1.3
Agriculture, Forestry, and Fishery Workers	100	NA	1.3
Gardeners and Groundskeepers	60	31.5	0.8
Other Agriculture, Forestry, and Fishery Workers	40	NA	0.5
Production and Maintenance Workers	350	NA	4.5
Mechanics and Repairers Supervisors	50	18.7	0.6
Maintenance Repairers, General Utility	130	19.5	1.7
Other Mechanics, Installers, and Repairers	20	NA	0.3
Other Construction Trades Workers	20	NA	0.3
Other Machine Operators and Tenders	20	NA	0.3
Other Laborers	110	NA	1.4

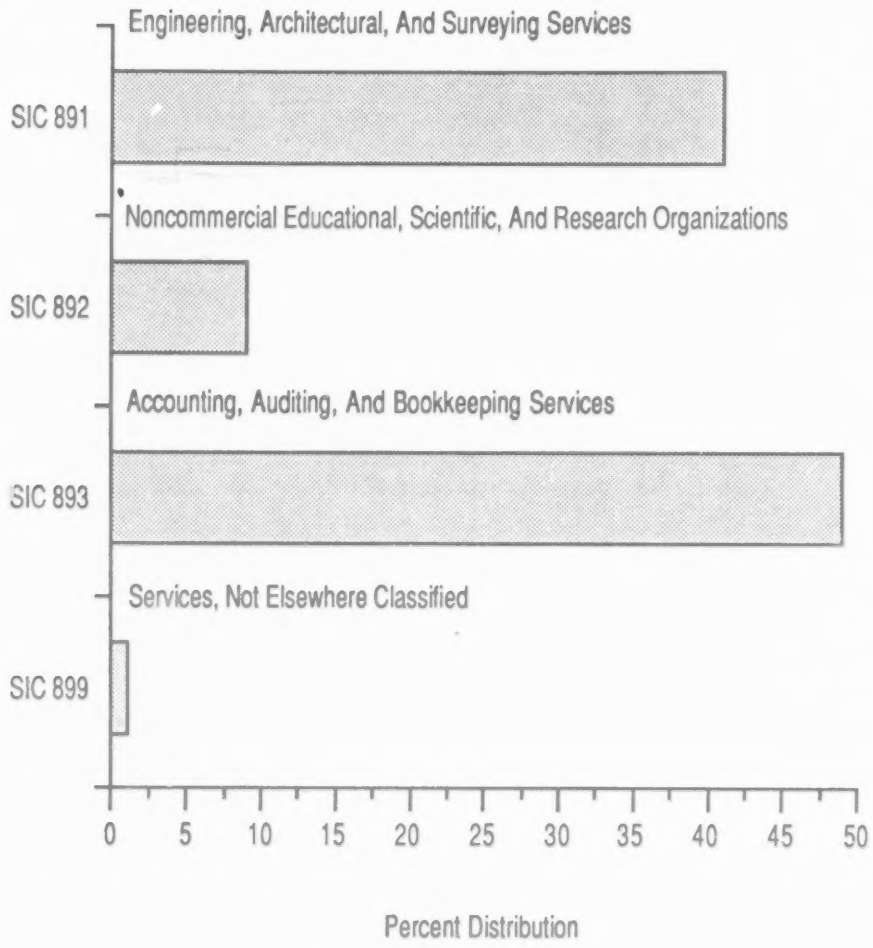
1/ Details may not add to total because of rounding or data suppression.

Miscellaneous Services
(SIC 89)

This major group includes establishments engaged in performing services, not elsewhere classified, such as those rendered by engineers, architects, surveyors, scientists, bookkeepers, authors, lecturers, radio commentators, weather forecasters, writers and artists. This group also includes non-commercial establishments primarily engaged in educational, scientific, and research activities.

Accounting and Bookkeeping Services, SIC 893, made up nearly half of the employment in this group. Along with Engineering and Architectural Services, SIC 891, which had 41 percent of the total, these two groups accounted for 90 percent of the total workers.

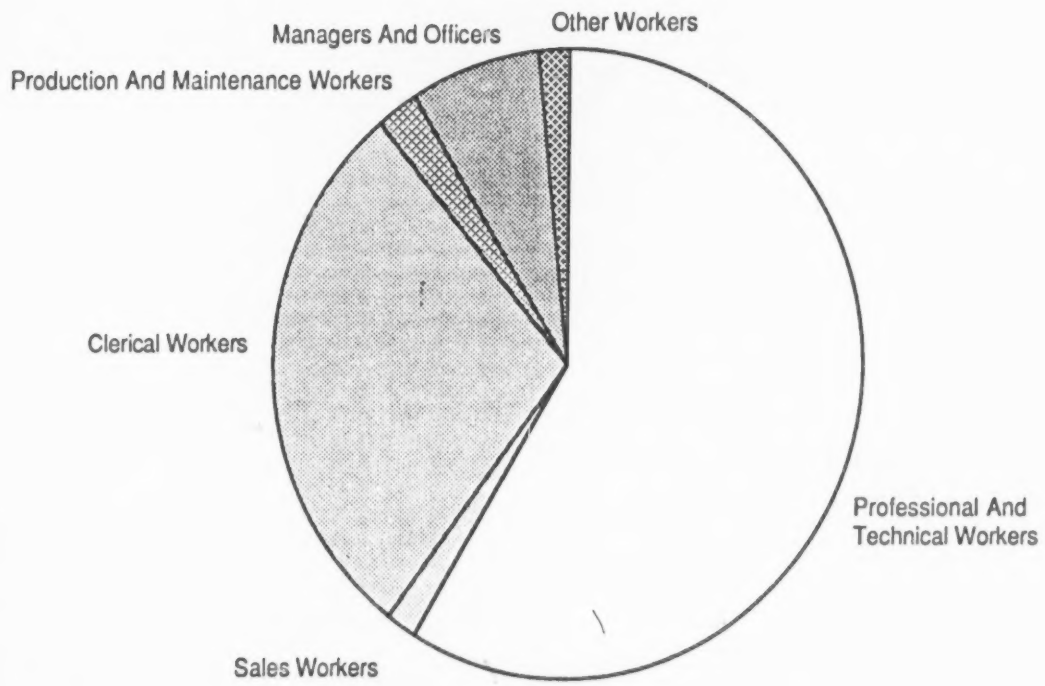
Estimated Employment Distribution By Three-Digit Industry



The Five Largest Specific Occupations

Occupation	Estimated Employment	Percent Of Total Employment
Accountants And Auditors	3160	13.2
Secretaries	2080	8.7
Drafters	1650	6.9
Bookkeepers,Accounting, And Auditing Clerks	1350	5.6
Surveying And Mapping Technicians And Technologists	1190	5.0

Percent Distribution Of Employment By Major Occupational Category



MISCELLANEOUS SERVICES
(SIC 89)
June, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	23,990	NA	100.0
Managers and Officers	1,750	NA	7.3
Personnel and Labor Relations Managers	20	28.2	0.2
Marketing, Advertising, and Public Relations Managers	120	22.6	0.5
General Managers and Top Executives	630	33.0	2.6
Other Managers and Administrators	980	NA	4.1
Professional and Technical Workers	14,150	NA	59.0
Accountants and Auditors	3,160	25.3	13.2
Other Financial Specialists	610	NA	2.4
Purchasing Agents and Buyers, except Farm Products	180	17.1	0.8
Personnel and Labor Relations Specialists	60	5.5	0.2
Other Management Support Workers	470	NA	1.9
Chemical Engineers	70	23.9	0.3
Civil Engineers	780	9.8	3.3
Electrical and Electronic Engineers	490	7.6	2.0
Mechanical Engineers	300	15.5	1.2
Other Engineers	250	NA	1.0
Architects, except Landscape and Marine	1,050	12.2	4.4
Landscape Architects	50	20.7	0.2
Surveying and Mapping Scientists	730	14.9	3.0
Civil Engineering Technicians and Technologists	390	25.3	1.6
Electrical and Electronic Technicians and Technologists	170	28.7	0.7
Mechanical Engineering Technicians and Technologists	60	32.1	0.2
Drafters	1,650	8.7	6.9
Surveying and Mapping Technicians and Technologists	1,190	11.8	5.0
Other Engineering Technicians and Technologists	430	NA	1.8
Chemists	160	4.7	0.7
Other Physical Scientists	80	NA	0.3
Biological Scientists	130	9.2	0.6
Other Life Scientists	20	NA	0.2
Other Science Technicians and Technologists	160	NA	0.7
Computer Programmers	170	29.7	0.7
Computer Programmer Aides	40	31.2	0.2
Statisticians	80	20.5	0.3
Other Social Scientists	180	NA	0.8
Lawyers	20	26.8	0.1

MISCELLANEOUS SERVICES
(SIC 89)
June, 1984

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Other Teachers and Related Workers	70	NA	0.3
Other Health Professionals and Technicians	110	NA	0.5
Technical Writers	120	26.3	0.5
Designers	150	28.0	0.6
Other Professional and Technical Workers	570	NA	2.3
Sales Workers	440	NA	1.8
Sales Engineers	20	29.1	0.1
Sales Representatives, Scientific-except Retail	110	8.3	0.4
Other Sales and Related Workers	310	NA	1.3
Clerical Workers	6,740	NA	28.1
Secretaries	2,080	10.1	8.7
Typists, Word Processing	350	19.2	1.5
Personnel Clerks	30	7.6	0.1
Order Clerks	20	10.4	0.1
Bookkeeping, Accounting, and Auditing Clerks	1,350	30.3	5.6
Billing, Cost, and Rate Clerks	50	7.3	0.2
General Office Clerks	400	27.7	1.6
Duplicating Machine Operators	40	34.4	0.2
Other Office Machine Operators	770	NA	3.2
Traffic, Shipping, and Receiving Clerks	30	1.9	0.1
Other Clerical and Administrative Workers	1,620	NA	6.7
Service Workers	340	NA	1.4
Janitors and Cleaners	100	34.1	0.4
Other Service Workers	240	NA	1.0
Agriculture, Forestry, and Fishery Workers	20	NA	0.1
Production and Maintenance Workers	540	NA	2.2
Other Inspectors and Testers	40	NA	0.2
Other Construction Trades Workers	200	NA	0.8
Other Precision Workers	70	NA	0.3
Other Transportation and Material Moving Equipment Operators	100	NA	0.4
Other Laborers	130	NA	0.5

1/ Details may not add to total because of rounding or data suppression.

METHODOLOGY

A questionnaire was mailed to sampled nonmanufacturing establishments in order to obtain occupational data. The total occupational employment for an industry was then estimated from the responding establishments.

Sample

The sample was drawn using procedures outlined in the OES Survey Operations Manual. Establishments were divided into different size classes by number of employees. All establishments with more than 250 employees were sampled. Establishments in each smaller size class were sampled in proportion to the employment in the size class; however, no establishment with fewer than four employees was sampled. Employment in these establishments was accounted for in the next larger size class. Each unit that was sampled was assigned a weight according to the ratio of units sampled in that size class. For example, when all units in a size class were sampled, the weight was one. When the units were sampled at a ratio of one out of four, the sampled unit was given a weight of four. The weighted establishment then represented itself and three other establishments.

Collection

Data collection began in June, 1984 and ended in March, 1985. Two follow-up mailings, personal visits, or telephone calls were made to those establishments whose response was vital for statistical purposes, to those who had difficulty completing the questionnaire, or to those where clarification of the response was necessary.

Estimates

Data from the questionnaires were keypunched and loaded to tape. The tape was processed using the OES Survey Processing and Management Systems (SPAM) programs to sort and screen the data. The estimating programs sorted the data into size-class cells. The weighted employment of each occupation in each cell was then estimated individually and summed across all cells in order to produce the final occupational employment estimate for each industry.

Error

Two types of errors, sampling and non-sampling, can affect the results of a survey. Sampling error is the difference between the estimates developed from data collected from a sample and the data collected from the universe from which the sample was drawn. Sampling error is measurable and is expressed as relative error. The relative error shown in the publication is such that the chances are two out of three that the results of comparable universal data collection would not differ by more than the percentage shown. Non-sampling error can arise from faulty questionnaire design, inability to collect necessary data, inaccuracy of data collected, and ineffective processing techniques. Non-sampling error cannot be measured.

Publication

After the data file had been processed through the OES estimates programs, a computer printout was received which contained the estimated employment for each occupation, the relative error of the occupational estimate, the percent distribution of the occupational employment, the number of employees reported in each occupation, and the number of establishments which reported each occupation.

Industries were surveyed at the 3-digit SIC level; however, published data are at the 2-digit level of detail. The following exceptions were made to this format. Industry codes 10 and 14 were combined. For two-digit code 80, data for code 806 was excluded. SIC 86 excludes the three-digit code 866. Two-digit code 82, Educational Services, will be covered in a separate survey and is not included. These exceptions were made to provide a better grouping of industries with compatible staffing patterns.

Occupational data were not published for industries when the industry employment was less than 1,000. The estimated employment for occupations was rounded to the nearest ten. The estimated employment was put in a residual category when the estimated employment for an occupation was less than 15 or less than 0.05 percent of the total group employment, when the relative error was more than 35 percent, or when an occupation was not reported by at least four establishments. Although they are not published here, the suppressed industry and occuaptional data will be included in the industry/occupation matrix.

Relative error is not applicable (NA) for residual categories, occupational group totals, and total employment because it is not additive. The percent distribution was computed on the unrounded employment estimates; therefore, some occupations with the same published estimated employment may not have the same percent distribution.

Note: Occasionally the sum of the occupations will not equal the Total Employment or the Occupational Category because of rounding.